SD431.5
A23T63

UNITED STATES DEPARTMENT OF AGRICULTURE

FOREST SERVICE

2410
Plans - Tonto

TIMBER MANAGEMENT PLAN

PLEASANT VALLEY WORKING CIRCLE

TONTO NATIONAL FOREST
REGION 3

SECOND REVISION
JULY 1, 1964 THROUGH JUNE 30, 1971

APPROVED: December 8, 1965

U.S. GOVERNMENT PRINTING OFFICE: 1964—O-726-131

TIMBER MANAGEMENT PLAN

PLEASANT VALLEY WORKING CIRCLE

TONTO NATIONAL FOREST
REGION 3

SECOND REVISION
JULY 1, 1964 THROUGH JUNE 30, 1971

APPROVED: December 8, 1965

SD431.5
A23T63

SECOND REVISION

TIMBER MANAGEMENT PLAN

PLEASANT VALLEY WORKING CIRCLE

TONTO NATIONAL FOREST

REGION 3

1965

Prepared By:

Bob P. Reed

J. P. Reynolds

J. C. Baldwin 6/3, 1965

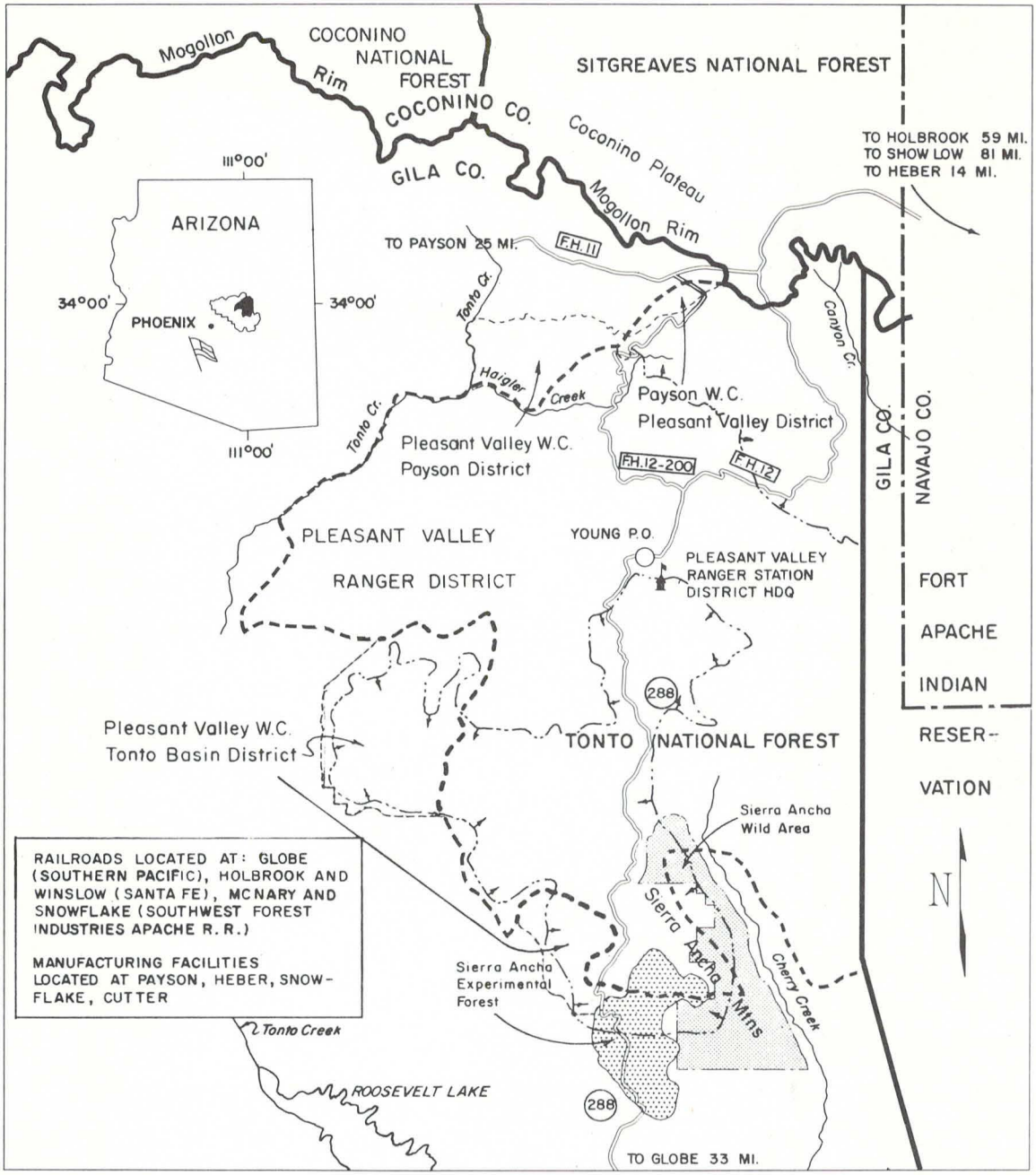
Approved By:

[signature] 6/4, 1965
Forest Supervisor

[signature] 12-8-65, ~~1965~~
Regional Forester

Reviewed By:

Divisions	Forest		Regional Office	
	Initials	Date	Initials	Date
Timber Management	[initials]	6/3/65	[initials] JT	7/23/65
Engineering	[initials]	6/21/65	[initials]	7/22/65
Multiple Use	[initials]	6/10/65	[initials]	7/12/65



C. D. Buell May, 1963
Revised May, 1965
C.D. Buell

LOCATION MAP
PLEASANT VALLEY WORKING CIRCLE
TONTO NATIONAL FOREST
R-3

1 0 2 4 6 8 MILES
SCALE

Forest Boundary
Ranger District Boundary (Coincides with Working Circle Boundary Unless Otherwise Shown)
County Line
Working Circle Boundary
Supervisor's Headquarters
Ranger Station
Working Circle and Forest Boundaries Coincide Unless Otherwise Shown
Sawtimber Zone

82 (10) 27 — Roads — Federal, State, Forest
Railroads
Mfg. facilities

CONTENTS

		Page
	TITLE PAGE	1
	APPROVAL PAGE	2
	LOCATION MAP - PLEASANT VALLEY WORKING CIRCLE	3
I.	CONTENTS	i, ii, iii, iv
	List of Tables	v, vi, vii
II.	SUMMARY OF PLAN	4
	A. Management Objectives for the Working Circle	4
	B. Area and Volume Summaries	6
	C. Growth	10
	D. Regulation	11
	E. Allowable Cut and Cutting Limitations	12
	F. Plan Revision	14
	G. Coordination With Other Uses	14
III.	INTRODUCTION	15
	A. Description of Working Circle	15
	B. Description of Timber	16
	C. History of Working Circle	16
	D. Past Accomplishments	18

CONTENTS (continued)

		Page
IV.	PROBLEMS	20
	A. Timber Harvest	20
	B. Timber Utilization	20
	C. Recreation Use	20
	D. Industrial Conflicts	20
	E. Regeneration Difficulties	20
	1. Animals	20
	2. Competition	21
	F. Fire	21
	G. Watershed	21
V.	MANAGEMENT PRESCRIPTIONS	22
	A. Silvicultural System	22
	B. Rotations	22
	C. Methods of Cutting	22
	D. Stand Treatment Priorities	25
	E. Special Treatments	26
	F. Cultural Treatments	29
	1. Precommercial Cleaning and Noncommercial Thinning and Release Cutting	29
	2. Commercial Thinning and Pulpwood Cutting	29
	G. Cutting of Other Products	30
	ACTION PLAN	31-41
	Review and Revision Control Schedule	31

CONTENTS (continued)

		Page
VI.	MANAGEMENT CONTROLS	32
	A. Inventories	32
	B. Compartment Examination	32
	C. Regeneration Controls	33
	D. Calculation of Planned Cut	34
	E. Marking Rules	34
	F. Records	34
	G. Cutting Budget	35
VII.	TIMBER DISPOSAL POLICIES	36
	A. Sales	36
	B. Point of Manufacture	36
	C. Utilization Standards	36
	D. Erosion Control	36
	E. Special Sales	36
VIII.	FOREST DEVELOPMENT	37
	A. Transportation	37
	B. Reforestation	37
	C. Timber Stand Improvement	38
	D. Fire Control	39
	E. Rodent Control	39
	F. Animal Control	39
	G. Acquisition	40
	H. Slash Treatment	40

END OF ACTION PLAN

CONTENTS (continued)

		Page
IX.	INSECT AND DISEASE CONTROL	42
X.	APPENDIX, Index	43-45

LIST OF TABLES

Table	Title	Page
1	Ownership Status	6
2	Commercial Forest Land	7
3	Other Forest Lands	8
4	Commercial Forest Lands by Forest Type	9
5	Periodic Annual Increment	10
6	Potential Mean Annual Increment	10
7	Regulation	11
8	Annual Allowable Cut	12/13
9	Fire Statistics	19
10	Minimum Compartment Examination Schedule - F.Y. 1965 Thru F.Y. 1972	33
11	Sample Regeneration Control Record	34
12	Sawtimber Cutting Budget - 8 Years	35
13	Pulpwood Cutting Budget - 8 Years	35
14	Reforestation Schedule	37
15	Thinning Schedule - 8 Years	38
16	Potential Mean Annual Growth	49
17	Calculation of Periodic Annual Growth	50
18	Forest Type Legend for Table 17	51
19	Defect Factors Used to Derive Net Volumes	59
20	Stand Table, P3=V Type	60
21	Stand Table, P2=C, P2-C Type	61

LIST OF TABLES (continued)

Table	Title	Page
22	Stand Table, P2-V Type	62
23	Stand Table, P2=V Type	63
24	Stand Table, P1-C, P1=C Type	64
25	Stand Table, P1-V Type	65
26	Stand Table, P1=V Type	66
27	Stand Table, P1OV, P1OC, P1OX Type	67
28	Stand Table, MC1-V Type	68
29	Stand Table, MC1=V Type	69
30	Stand Table, P2-X Type	70
31	Stand Table, P1-X Type	71
32	Stand Table, NPJ Type	72
33	Acreage and Net Volumes of Administative Working Group	73
34	Acreage and Net Volumes of Noncommercial Timbered Areas	74
35	Summary Table for - Scribner - Sawtimber - 11.6" D.B.H. and Over - Gross Volumes - Per Acre	75
36	Summary Table for International $\frac{1}{4}$" Sawtimber - Gross Volumes - Per Acre	76
37	Summary Table for Cubic Feet - 5.0" Through 11.5" D.B.H. - Gross Volumes - Per Acre	77
38	Summary Table for Cubic Feet - All Sizes (5" and Over) - Gross Volumes - Per Acre	78
39	Summary Table for Cubic Feet - 11.6" and Over - Gross Volumes - Per Acre	79
40	Summary Table for Scribner Sawtimber - Net Volumes - Per Acre	80

LIST OF TABLES (continued)

Table	Title	Page
41	Summary Table for International $\frac{1}{4}$" Bd. Ft. - Net Volumes - Per Acre	81
42	Summary Table for Cubic Feet - 5.0" Through 11.5" D.B.H. - Net Volumes - Per Acre	82
43	Summary Table for Cubic Feet - 5" and Over D.B.H. - Net Volumes - Per Acre	83
44	Summary Table for Cubic Feet - 11.6" and Over D.B.H. - Net Volumes - Per Acre	84
45	Working Circle Totals - Sawtimber - Scribner - Net Volumes	85
46	Working Circle Totals - International $\frac{1}{4}$" Bd. Ft. Sawtimber - Net Volumes	86
47	Working Circle Totals - Cubic Feet - 5.0" - 11.5" D.B.H. - Net Volumes	87
48	Working Circle Totals - Cubic Feet - 5.0" and Over D.B.H. - Net Volumes	88
49	Working Circle Totals - Cubic Feet - 11.6" and Over D.B.H. - Net Volumes	89
50	Working Circle Totals - Sawtimber - Scribner Rule - 11.6" and Over D.B.H. - Gross Volumes	90
51	Working Circle Totals - Sawtimber - International $\frac{1}{4}$" Rule - 11.6" and Over D.B.H. - Gross Volumes	91
52	Working Circle Totals - Cubic Feet - 5.0" - 11.5" D.B.H. - Gross Volumes	92
53	Working Circle Totals - Cubic Feet - 5.0" and Over D.B.H. - Gross Volumes	93
54	Working Circle Totals - Cubic Feet - 11.6" and Over D.B.H. - Gross Volumes	94
55	Gross Volumes on the Tonto Basin Ranger District Portion of the Pleasant Valley Working Circle	95

II. SUMMARY OF PLAN

A. Management Objectives for the Working Circle

The objectives of management for the Pleasant Valley Working Circle are to:

1. Apply even-aged management. Control cutting by area with volume checks.

2. Make the full allowable cut available to wood using industries.

3. Provide a continuous production of timber at as high a level as economically practicable, giving consideration to both quantity and quality, and in accordance with the principle of multiple use.

4. Provide the maximum economic support to nearby communities.

5. Schedule sawlog cutting, pulpwood cutting, and noncommercial thinning across the working circle in an orderly and workmanlike manner.

6. Complete the initial cut in all remaining virgin stands that are mature and commercially operable. Recover, as fully as possible, the mortality losses in these stands.

7. Improve timber utilization and integration of all cutting operations. Reduce waste in logging, pulp cutting, and noncommercial thinning. Integrate these operations more closely. Harvest all usable dead or deteriorating timber as soon as possible.

8. Integrate timber use more fully with the other forest land uses. Improve integration of other uses with timber use. Make the management of the timber resource a prime example of the multiple use management concept in action.

9. Control disease in the stands through cutting practices.

10. Obtain prompt and complete regeneration on all cutover or poorly stocked areas and reforest all burned-over or other nonstocked areas within commercial forest lands.

11. Reduce overstocked areas to optimum density as prescribed in Regional guides. Bring understocked stands and nonstocked areas to optimum stocking through growth and through planting or direct seeding.

12. Map each compartment by soil type, by stand age, by stand condition, and by stand site index. Prepare silvicultural prescriptions, make volume estimates, and set up separate records for each compartment.

13. Develop stand growth data for each compartment, based on age, condition, density, and site index of each stand.

14. Attain a balance of twenty-year age classes by area. Achieve this balance in one full rotation period. Complete a major adjustment over the next 60 years in an orderly fashion.

15. Enter each compartment at least once in every 20-year period.

16. Protect, improve, harvest, and maintain stands of timber which are adequate for the uses of the areas for sites in the Administrative Working Group.

17. Combine this working circle with the Payson Working Circle in F.Y. 1971, when the reinventory is made, or earlier if possible.

B. Area and Volume Summaries

1. Ownership Status

Table 1

Ownership Class	All Lands	Commercial Forest Lands			
			Net Volume, Mbf		Net Volume
	Acres	Acres	Scribner	Internat'l ¼"	M Cu.Ft.
All Areas are in Gila County					
Areas Within Sawtimber Zone					
National Forest	148,519	121,928	293,365	339,097	77,502
State	105	----------No Timber----------			
Private	2,464	----------No Timber----------			
Subtotal	151,088	121,928	293,365	339,097	77,502
Areas Outside Sawtimber Zone					
National Forest	202,518	----------No Commercial Acreage----------			
Private	12,904	----------No Timber----------			
Subtotal	215,422	----------			
All Acreage					
National Forest	351,037	121,928	293,365	339,097	77,502
State	105	----------No Timber----------			
Private	15,368	----------No Timber----------			
Total	366,510	121,928	293,365	339,097	77,502

2. Commercial Forest Land, National Forest Only

Table 2

Stand Size or Condition Class	Acres	Sawtimber 11.6" and over D.B.H. Scribner Bd. Ft.	Sawtimber 11.6" and over D.B.H. Internat'l (¼") Bd. Ft.	Sawtimber 11.6" and over D.B.H. Cubic Feet	Poletimber 5.0"-11.5"D.B.H. Cubic Feet	Total All Sizes Cubic Feet
		Net Volumes				
Operable Stands Technical W.G.						
Virgin Sawtimber	42,090	141,639,697	164,618,707	24,823,102	10,371,333	35,194,435
Cutover Sawtimber	14,927	46,222,054	54,154,626	8,101,777	3,798,027	11,899,804
Virgin Poletimber	17,028	8,653,533	9,951,596	1,200,104	4,832,295	6,032,399
Cutover Poletimber	15,087	76,021,733	87,450,306	12,853,063	5,498,457	18,351,520
Sapling & Seedling	5,814	----------	----------	----------	50,872	50,872
Fringe Sawtimber	308	146,916	168,950	42,259	7,346	49,605
Subtotal Tech.W.G.	95,254	272,683,933	315,344,185	47,020,305	24,558,330	71,578,635
Administrative W.G.						
Virgin Sawtimber	958	2,617,888	3,010,562	495,576	266,940	762,516
Cutover Sawtimber	720	2,229,508	2,564,655	390,787	183,197	573,984
Cutover Poletimber	55	277,139	293,495	43,379	20,045	63,424
Subtotal Admin.W.G.	1,733	5,124,535	5,868,712	929,742	470,182	1,399,924
Subtotal, Operable	96,987	277,808,468	321,212,897	47,950,047	25,028,512	72,978,559
Inoperable Stands Technical W.G.						
Sawtimber	3,608	13,068,685	15,028,987	2,660,141	880,415	3,540,556
Poletimber	1,622	272,496	313,370	94,384	263,607	357,991
Sapling & Seedling	160	--------	------	-------	1,400	1,400
Mixed Woodland and Commercial Timber	18,922	2,144,430	2,459,860	431,043	172,001	603,044
Subtotal Tech.W.G.	24,312	15,485,611	17,802,217	3,185,568	1,317,423	4,502,991
Administrative W.G.						
Mixed Woodland and Commercial Timber	629	71,285	81,770	14,328	5,718	20,046
Subtotal, Inoperable	24,941	15,556,896	17,883,987	3,199,896	1,323,141	4,523,037
Total, Commercial	121,928	293,365,364	339,096,884	51,149,943	26,351,653	77,501,596

3. Other Forest Lands, National Forest Only

Table 3

Stand Size or Condition Class	Acres	Sawtimber 11.6" and over D.B.H. Scribner Bd. Ft.	Sawtimber 11.6" and over D.B.H. Internat'l ¼" Bd. Ft.	Sawtimber 11.6" and over D.B.H. Cubic Feet	Poletimber 5.0"-11.5"D.B.H Cubic Feet	Total All Sizes Cubic Feet
		Net Volumes				
Areas Within Sawtimber Zone						
Chaparral	24,248	-----	-----	-----	------	-----
Grassland	2,343	-----	-----	-----	------	-----
Subtotal	26,591	-----	-----	-----	------	-----
Areas Outside Sawtimber Zone						
Sierra Ancha Wild Area						
Ponderosa Pine	1,500	12,399,000	14,749,440	2,148,846	516,054	2,664,900
Mixed-conifer	260	2,014,740	2,316,951	457,184	131,037	588,221
Subtotal	1,760	14,413,740	17,066,391	2,606,030	647,091	3,253,121
Sierra Ancha Experimental Forest						
Mixed-conifer	2,200	17,047,800	19,604,970	3,868,480	1,108,778	4,977,258
Payson District						
Mixed Woodland and Commercial Timber	2,500	283,325	325,000	74,950	22,725	97,675
Woodland (PJ)	8,900	-----	-----	----	----	----
Chaparral	1,300	-----	-----	----	----	----
Subtotal	12,700	283,325	325,000	74,950	22,725	97,675
Pleasant Valley District						
Woodland (PJ)	100,000	-----	-----	----	----	----
Chaparral	20,000	-----	-----	----	----	----
Grassland	65,843	-----	-----	----	----	----
Desert Brush	15	-----	-----	----	----	----
Subtotal	185,858	-----	-----	-----	----	----
Subtotal, Outside	202,518	31,744,865	36,996,361	6,549,460	1,778,594	8,328,054
Total Other Forest Lands	229,109	31,744,865	36,996,361	6,549,460	1,778,594	8,328,054
Total, Working Circle	351,037	325,110,229	376,093,245	57,699,403	28,130,247	85,829,650

4. Commercial Forest Lands by Forest Type, National Forest Only

Table 4

Forest Type	Acres	Sawtimber 11.6" & over D.B.H. Scribner Bd. Ft.	Sawtimber 11.6" & over D.B.H. Internat'l ¼" Bd. Ft.	Cubic Feet 5.0" and over D.B.H.
		----------Net Volumes----------		
Operable Areas				
Ponderosa Pine	96,369	273,860,146	316,672,328	71,746,852
Mixed-conifer	618	3,948,322	4,540,569	1,231,707
Subtotal, Operable	96,987	277,808,468	321,212,897	72,978,559
Inoperable Areas				
Ponderosa Pine	24,704	13,720,383	15,771,998	3,986,851
Mixed-conifer	237	1,836,513	2,111,989	536,186
Subtotal, Inoperable	24,941	15,556,896	17,883,987	4,523,037
Total, Commercial	121,928	293,365,364	339,096,884	77,501,596

C. Growth

1. Periodic Annual Increment

Table 5

Forest Type	Total Per Type MM Bd. Ft. Net Scribner Rule	Total Per Type MM Bd. Ft. Net International ¼" Rule	Total Per Type Net MM Cubic Ft.	Weighted Per Acre Averages Bd. Ft. Net Scribner Rule	Weighted Per Acre Averages Bd. Ft. Net International ¼" Rule	Weighted Per Acre Averages Net Cubic Feet
Ponderosa Pine	5.301	6.096	1.926	55	63	20
Mixed-conifer	.060	.069	.028	97	112	45
By Working Circle	5.361	6.165	1.954	55	63	20

2. Potential Mean Annual Increment

Table 6

Forest Type	Total Per Type MM Bd. Ft. Net Scribner Rule	Total Per Type MM Bd. Ft. Net International ¼" Rule	Total Per Type Net MM Cubic Ft.	Weighted Per Acre Averages Bd. Ft. Net Scribner Rule	Weighted Per Acre Averages Bd. Ft. Net International ¼" Rule	Weighted Per Acre Averages Net Cubic Feet
Ponderosa Pine	11.564	13.299	3.951	120	138	41
Mixed-conifer	.069	.079	.032	111	128	51
By Working Circle	11.633	13.378	3.983	120	138	41

D. Regulation

Table 7

Item	Working Group: Technical	Working Group: Administrative	Summary
1. Control	Area (With volume checks)	Area (With volume checks)	
2. Cutting Period			
Sawtimber	20 years	20 years	
Pulpwood entry	10 years	10 years	
3. Rotation Age	110 years	190 years	
4. Rotation Period	120 years	200 years	
5. Acres to be entered or cut per year	4,763	87	4,850
6. Acres to be regenerated per year	794	9	803
7. Acres to be regenerated per cutting period	15,880	180	16,060
8. Acres to be examined or cut for pulpwood per year	9,526	173	9,699

E. Allowable Cut and Cutting Limitations

1. Annual Allowable Cut

Table 8

Item	CUTTING METHOD						Total
			Regeneration				
	Inter-mediate	Salvage	Group, patch, strip, stand	Shelterwood or Seed Tree		Selection	
				Preparatory & seed 2/	1/ Removal		
Regulated area to examine (acres)	xxx	xxx	xxx	xxx	xxx	xxx	9,699
Aver. No. of Com-parts. to examine	xxx	xxx	xxx	xxx	xxx	xxx	11
Est. aver. area to cut(acres) Not Reg.	9,699 3/	82,438 3/	xxx	xxx	xxx	xxx	92,137 3/
Area Reg.	xxx	xxx	xxx	4,047	803	xxx	4,850
ESTIMATED AVERAGE YIELD							
SAWTIMBER - 11.6" and over d.b.h.							
Scribner rule MMBM	xxx	xxx	xxx	3.408	1.592	xxx	5.000
Internat'l. $\frac{1}{4}$" rule MMBM	xxx	xxx	xxx	3.919	1.831	xxx	5.750
MM Cubic feet	xxx	xxx	xxx	0.609	0.284	xxx	0.893
OTHER PRODUCTS - Pulpwood - 5.0" - 11.5" d.b.h.							
MM Cubic feet	0.829	xxx	xxx	xxx	0.142	xxx	0.971
M cords	9.748	xxx	xxx	xxx	1.676	xxx	11.424
UNREGULATED ADDITIONAL CUT OBJECTIVE - Sawtimber - 11.6" and over d.b.h. 4/							
Scribner rule MMBM	xxx	2.470	xxx	xxx	xxx	xxx	2.470
Internat'l. $\frac{1}{4}$" rule MMBM	xxx	2.841	xxx	xxx	xxx	xxx	2.841
MM Cubic feet	xxx	0.441	xxx	xxx	xxx	xxx	0.441
M cords	xxx	4.940	xxx	xxx	xxx	xxx	4.940
NON-CONVERTIBLE PRODUCTS - Christmas trees - Available but not regulated							
No. of trees							

1/ Includes release 2/ Includes partial 3/ Area is not included in area regulation

4/ See the following page

4/ This unregulated material is available only if recovered from areas on the Working Circle which are not currently included within a going timber sale. This is material that will be harvested from trees that have recently died and are still sound or from trees that have been successfully attacked by a killing agent. It is planned that this material be recovered by small woods operators who have simple, mobile equipment that can move easily from one place to another. The logs recovered would probably be resold to the major sawmill operators in the area. This unregulated allowable cut is not interchangeable with the "live" tree allowable cut. This allowable cut may be recovered from either of the two working groups; Technical and Administrative. This includes roadside zones. This material may be salvaged from the 82,438 unregulated acreage annually.

2. Cutting Limitations

This plan recognizes that cyclic market conditions will cause fluctuations in the annual cut of timber. Average volumes per acre vary considerably within the operable area. The annual cut acreage and the annual available cut is a goal to strive for, but market conditions will determine the actual cut in any one year. Therefore, the annual cut must be balanced only by 10-year periods, rather than annually. Overcutting in any working group should not exceed 10 percent of the allowable 10-year cut during this 10-year period. Undercuts may be made up any time during the cutting period.

F. Plan Revision

This plan will be revised by June 30, 1971. By that time this working circle and the Payson Working Circle will be combined. Then, one plan will be prepared to cover all the timbered areas of the Tonto National Forest.

Interim revisions to the plan will be made, if necessary, following disastrous fires, unusually heavy timber mortality, significant changes in product utilization or land ownership, or other conditions which the Forest Supervisor considers to make this plan inoperable.

The action plan - Sections VI, VII, VIII, and maps - will be revised annually by March 1, as needed by the Forest Supervisor and will be submitted to the Regional Forester for approval. Changes in the budgets of entry, in transportation planning, or in the cutting budget, may also be made at this time.

G. Coordination With Other Uses

The Pleasant Valley Multiple-Use Plan provides the guidelines for coordinating timber production with the other uses. This working circle timber management plan sets forth the broad silvicultural practices to be used to produce the desired timber stands for all working groups in the working circle. Stand prescriptions will be made during compartment examination. This plan also provides guidelines for the management of timber on recreation areas.

III. INTRODUCTION

A. Description of Working Circle

The working circle covers the major portion of the Pleasant Valley Ranger District and a portion of the eastern side of the Tonto Basin Ranger District. The town of Young, Arizona, is centrally located within the working circle. The unit is located in the northeast portion of the Tonto National Forest. It is bounded on the north by the Mogollon Rim and on the east by the Ft. Apache Indian Reservation. It includes all the area to the south of Mogollon Rim which supports merchantable forest types. On the west it joins the Payson Working Circle.

In general, the topography of the working circle is rough. The area is broken by deep canyons which drain in various directions. This necessitates difficult and expensive road construction for harvesting the timber from the various logging units. In the northern portion of the working circle, the merchantable timber covers large, continuous areas. However, the southern portion contains large areas of brush and grass lands interspersed with merchantable timber stands. These timber stands usually occupy north slopes and canyon bottoms. Soils are derived from limestone, sandstone, and granite. In most cases the soils are shallow and there are many rock outcrops.

Water yields, especially in the Sierra Anchas (30 inches per year) and the Mogollon Rim area (25 inches per year), are the highest on the forest. Forage production is fair, on the better sites; however, the heavily timbered areas produce very little forage.

The Heber-Reno Sheep Driveway which crosses the working circle has hampered pine reproduction establishment to some extent. Wildlife populations of deer, turkey, and javalina are high. A limited number of elk are present. Fishing is confined to a few streams which receive very heavy use. Recreation use has been moderate up until this time, but can be expected to increase to a great degree as transportation routes improve. No pavedroads enter the working circle at this time; however, the Globe-Holbrook, Forest Highway, FH-12 from Young, Arizona, north to FH-11 is planned for construction and paving within the next few years. At present, access is available over maintained dirt roads. Portions of the Sierra Ancha Wild Area and the Sierra Ancha Experimental Forest lie within the working circle. As these areas are excluded from commercial cutting operations, acreages and volumes are not included in the allowable cut.

B. Description of Timber

1. Ponderosa pine

The predominant species on the working circle is ponderosa pine. Generally, most all age classes are represented and suitable sites are well stocked. Areas of higher elevations such as the northern portion of the working circle and the Sierra Anchas produce large, high quality trees. Much of south and west portions is fringe type where merchantable timber is confined to shady slopes and canyons. Dwarfmistletoe infection is prevalent on poor sites such as the dry, rocky, ridge tops. A dense ground cover of manzanita and other chaparral is found as an understory in some of the fringe pine areas. In many areas, there are comparatively large tracts of dense pole stands with an occasional, overmature tree in the overwood. The better timber growing sites are the large, wide canyon bottoms and the higher mesas.

2. Mixed-conifer

Mixed-conifer stands occur higher in the Sierra Anchas and at the head of canyons which originate just under the Mogollon Rim. The principal species are Douglas-fir and white fir. Defect in the older, larger trees runs high - about 35%.

3. Other Areas

Pinon, juniper, and oak are the chief noncommercial species. Other than for fuel wood and posts, there has been very little demand for these species.

C. History of Working Circle

Settlement of Pleasant Valley was made in the late 1870's and early 1880's, primarily by Texas cattlemen. A small sawmill was put into operation about 1905 at Rose Creek (Sawmill Flat), 25 miles south of Young, to furnish construction material for Roosevelt Dam.

In the past, the residents have depended largely on stock raising for a livelihood. By about 1890 the ranges were fully stocked with cattle and over-grazing began. Then, due to several good seed years, pine reproduction came in rapidly in the small parks and openings. Over-grazing and the dense pine reproduction combined to cut the carrying capacity of the range to such an extent that it is

now difficult to graze livestock on the timbered portions of the area on a paying basis. However, the value of the land from a timber producing standpoint is increasing.

During the period 1915 to 1920, many serious attempts were made to homestead and farm suitable sites. However, homesteaders soon realized that farming was impractical. Even when they combined farming with livestock grazing, it did little to improve their conditions.

Sawmilling was attempted on a very small scale, but the isolation of the area meant that the local demand for forest products was the only market. World War II and improved roads provided outside markets. This resulted in the establishment of several small sawmills. Most of these mills were unstable operations. The last of these mills went out of operation in the mid-1950's.

At present, there are no sawmills operating on the working circle. Logging is still being done, but the logs are hauled over the Mogollon Rim to Heber for milling.

The Pleasant Valley Working Circle includes a part of the original Pine-Colcord Working Circle, the former Pleasant Valley Working Circle, and the former Sierra Ancha Working Circle. This involves a gross area of 366,510 acres with 15,368 acres in private ownership.

The management on the Pine-Colcord Working Circle, of which this unit was a part, was directed by a policy statement from 1927 to the end of 1934. During 1934, substantially all the area encompassed in the present working circle was included in a timber survey made under the direction of W. G. Thomson. From this survey, a formal plan was made for the old Pine-Colcord Working Circle for the decade 1935 through 1944.

In 1946, Fred McCament revised the 1934 cruise figures. Original estimates of defect were modified on the basis of check scales made from 1935 through 1946.

The Pine-Colcord Working Circle was split into two separate working circles in 1946. These were the Payson Working Circle and the Pleasant Valley Working Circle. The Sierra Ancha Block was left outside of both.

Thomson's data, as modified by McCament in 1946, was the basis for the new management plan prepared for the Pleasant Valley

Working Circle in 1948. It was amended in 1958 to include the Sierra Ancha Working Circle. An annual cut of 3.5 million board feet was established for the former Pleasant Valley Working Circle for the period 1948 to 1957. It was increased by 1.3 million board feet with the addition of the Sierra Ancha Working Circle.

The allowable cut for the Pleasant Valley Working Circle was to come from light selection cuts which were to take 40% or less of the volume in the remaining virgin stands. The goal of the plan was to build up thrify, well-distributed reserve stands with volumes of 3,000 to 4,000 board feet per acre.

In the 17 years this 1948 plan has been in effect, about 50,605.49 M board feet have been cut. This is 85% of the allowable cut of 59,500,000 board feet for the same period.

The Pleasant Valley Working Circle is part of the area which was contracted in 1957 to produce pulpwood for the new paper mill at Snowflake, Arizona. The present estimated annual pulpwood obligation of this working circle is 9,962 cords.

An inventory of the pulpwood in the working circle was made in 1960-1961. Pulp cutting operations on the working circle began in June 1963.

D. Past Accomplishments

1. Land Status Changes

An estimated 2,200 acres in the vicinity of Young, Arizona were classified in 1959 as base to be offered for exchange. However, none of this land supports commercial timber or is stocked with commercial species.

2. Volume and Area Cutover

Since the inception of the Tonto National Forest, approximately 100,000 acres of this working circle have been cut over. The yield to June 30, 1964 is 77,830.49 M board feet of saw timber and 704 cords of pulpwood.

3. Timber Stand Improvement

Approximately 31,693 trees on 1,622 acres were pruned on this working circle from 1957 to 1961. Since 1962, thinning of

overstocked stands of small poles has been done. About 14,160 worthless trees have been destroyed to date and 96 acres have been thinned to improve stocking.

4. Planting and Seeding

No planting or seeding has been done on this working circle.

5. Pest and Disease Control

Wherever possible, harvest of diseased trees has been used to reduce the severity of dwarfmistletoe infections. Aerial spraying for control of Tussock moth on approximately 300 acres in the Sierra Anchas was done in 1959.

6. Fire Control

Since 1955, there have been about 802 fires on the Pleasant Valley District. These have burned about 1,010 acres and have denuded 600 acres of commercial timberland.

FIRE STATISTICS - PLEASANT VALLEY DISTRICT

* Table 9

Year	No. of fires by Size Class					No. of Fires by Cause				Acres Burned
	A	B	C	D	E	Lightning	Man-caused	Rec.	Smoking	
1955	44	9	1	-	-	48	6	-	-	94
1956	54	11	2	-	-	63	4	-	-	70
1957	53	11	1	-	1	64	2	-	-	471
1958	60	6	1	-	-	63	4	-	-	92
1959	73	22	-	-	-	90	5	-	-	48
1960	76	11	1	-	-	84	4	-	-	23
1961	108	19	2	-	-	129	-	-	-	74.5
1962	114	17	-	-	-	129	-	2	-	62
1963	45	3	-	-	-	48	-	-	-	31
1964	54	11	1	-	-	63	-	2	1	44
Total	681	120	9	-	1	781	25	4	1	1009.5

* The working circle area outside the Pleasant Valley District has averaged about 8 lightning fires annually. In recent years the area in the working circle on the Tonto Basin District has been a major source of man-caused fire losses. In 1964, two man-caused fires burned 2,000 acres in the pine type. These fires are the only evidence of recent large fires in the past 10 years.

IV. PROBLEMS

A. Timber Harvest

Generally, topography is broken by deep canyons interspersed with mesa like ridges. It becomes quite rugged on the slopes under the Mogollon Rim, the slopes and canyon heads in the Sierra Anchas, and the broken terrain in the Copper Mountain country. Rock outcrops are frequent over the entire working circle. Soils, for the most part, are very erosive and this in combination with steep slopes creates definite erosion hazards. The difficult terrain combined with scattered timber stands in parts of the working circle definitely increases road construction costs and logging problems. Large areas of the working circle become economically marginal for this cutting period.

B. Timber Utilization

The last area of virgin timber, the Valley Unit, is in the process of being sold. As cutting moves back into cutover areas the average saw log size will become smaller and volumes per acre lower for a portion of this cutting period.

C. Recreation Use

Recreation use is rapidly becoming heavier on the working circle. The impact on timber production will increase and the greatest conflict will be on the better timber sites. Special logging precautions will be necessary. The size and shape of regeneration areas will be modified to enhance the recreational value of the stands. Four additional age classes will be included in these areas.

D. Industrial Conflicts

No definite conflicts exist at this time. However, exploratory prospecting for iron on the north end of the working circle and the adjacent Ft. Apache Indian Reservation could, if successful, develop into going mining operations. It is entirely possible that such operations would create an impact on timber production.

E. Regeneration Difficulties

1. Animals

Normal livestock grazing does not present any serious conflicts. However, on many parts of the Heber-Reno Sheep Driveway, desirable timber reproduction is lacking. This is due to a large

extent to additional use by cattle drifting in from adjacent C & H allotments and grazing the Driveway yearlong. Some fencing along the Driveway boundaries will be necessary to alleviate this situation.

2. Competition

Alligator juniper offers serious competition on many pine sites following fire or cutting operations. Control of juniper must be programed in all cutting operations and timber stand improvement operations.

F. Fire

Special slash treatment measures are necessary along roads, recreation areas, and other rights-of-way. In small areas, over a limited period, slash from noncommercial thinnings will increase the hazard. However, in most cases, after three years elapsed time, fires should stay on the ground and make control easier. Up to the present time, man-caused fires have not been a serious problem. As human use increases on the area, it is very probable that this factor will become more important and increased prevention efforts will be needed.

G. Watershed

Due to steep slopes and highly erosive soil types, serious consideration will need to be given the location of all logging roads, spurs, and skid trails. Adequate provisions must be made for soil retention and revegetating disturbed areas. Reference FSM 2405.13.

V. MANAGEMENT PRESCRIPTIONS

Two working groups are established. Most of the timbered area will be in the Technical Working Group. All of the roadside zones, streamside zones, forest camps, picnic grounds, summer home areas, and administrative sites will be in the Administrative Working Group.

A. Silvicultural System

Even-aged management will be practiced. The seed tree or shelterwood cutting methods will be used in stands set up for regeneration in both working groups. In the Administrative Working Group area, the size and shape of the regeneration areas will be modified to make them compatible with multiple-use objectives. On recreation site categories one and two, the size of the regeneration area may be reduced to that space occupied by a single tree if this is desirable.

B. Rotations

	Technical Working Group	Administrative Working Group
Rotation Age	110	190
Rotation Period	120	200

C. Methods of Cutting

Refer to FSM 2471 for detailed descriptions of each cutting method.

The methods of cutting are grouped broadly into three classes - intermediate cutting, salvage cutting, and regeneration cutting.

1. Intermediate Cutting

This is synonymous with stand tending and is the cutting that is done anytime between stand establishment and the planned stand regeneration. At any one stand entry, the following various methods may be used in combination or individually.

a. Cleaning (Liberation) Cutting

This cutting is made in a young stand, not past the sapling stage, to liberate crop trees from other trees of similar species with less desirable form or from trees of a less desirable species.

b. Weeding Cutting

This cutting is made in a young stand, not past the sapling stage, to free the small trees from weeds, brush, chaparral, vines, sod-forming grasses, or other competing vegetation.

c. Thinning Cutting

This cutting is made in an immature stand primarily to increase the rate of growth of the residual stand by reducing the stand to the optimum basal area. In actual practice, all the intermediate cutting could be considered thinning cutting.

d. Release Cutting

This cutting is made in an immature stand to free the crop trees from excessive competition by removing the excess vegetation, undesired species, or undesired age-class (such as a young age-class which because of excessive numbers is competing severely with an older, but desired, regulated age-class).

e. Improvement Cutting

This cutting is made in an immature stand to improve the stand composition by removing trees of poor form and/or genetic qualities.

f. Risk Cutting

This cutting is made to remove trees that are likely to die before the next periodic cut.

g. Sanitation Cutting

This cutting is made to remove trees infected with disease or infested with insects in order to reduce the disease and insect incidence in the stand.

h. Salvage Cutting

This cutting is made to remove merchantable dead trees or live trees that have been successfully attacked by a killing agent before the trees become worthless.

i. Cutting to Release from Unmerchantable Overwood

This cutting is made to free the residual, featured age-class and species from overwood unmerchantable stems or species.

2. Salvage Cutting

This cutting is made anywhere in the forest outside a current, contract timber sale area. It is made as an unregulated cutting to recover otherwise wasted material which is ordinarily classed as mortality. Merchantable dead trees or live trees that have been successfully attacked by a killing agent are recovered as they are found throughout the forest.

3. Regeneration Cutting

This cutting applies generally to stands of rotation or greater age. It applies to all cutting in virgin stands and to all cutting in cutover stands where the overwood components of the stand are over rotation age. The cutting will be seed-tree or shelterwood cutting as the source of the new stand is to be from seed produced by trees standing on the cutover area.

a. Preparatory Cutting

This cutting is used in a stand which has more than two identifiable age class components in the overwood portion of the stand. This cutting, then, is used to remove only the oldest age class and the dying and defective trees of all age classes. A manageable understory older than the 1-20 age class may be present in the stand. Use of this cutting implies that the manageable understory will be released from all overwood competition in a future cutting.

b. Seed-tree Cutting

This cutting is the removal of all the mature timber in a stand except for the number of seed trees which are needed to provide seed for reproducing the stand. A minimum of five seed trees per acre will be needed. This cutting also provides the openings where reproduction may be started. During this cutting the site will be prepared to receive the seed.

c. Removal Cutting

This cutting is done to remove the seed trees when adequate reproduction above browse height has been established. If reproduction cannot be established from the seed trees or a seed crop has not occurred within five years after the seed-tree cutting, the seed trees will be removed and reproduction will be established by planting or by direct seeding.

This cutting is also used in a stand which has a manageable understory of advanced reproduction (1-20 age class) or another under-rotation-age age class (older than the 1 - 20 age class, but less than 120 years old.) The seed-tree cutting is by passed and all overwood is removed in one cutting.

Ordinarily the regeneration areas will be in blocks of 100 - 500 acres, but size and shape will be governed by ground conditions, by topography, by economic consideration, and by multiple use objectives.

D. Stand Treatment Priorities

Stand treatment priorities for cutting are established in accordance with silvicultural factors and utilization principles.

First priority in this working circle is to make the initial harvest in virgin stands. Generally stands will be cut in the following order:

1. Virgin stands.

2. Stands killed or badly damaged by fire, insects, disease, or wind.

3. Stands heavily infected with dwarfmistletoe.

4. Stands where reproduction must be established. This wil be done in stands that are understocked, are low in quality, or are "orchard" type stands.

5. Stands with above optimum basal area stocking.

6. Stands over rotation age.

E. Special Treatment

1. Recreation Areas

These areas will be managed as a part of the Administrative Working Group.

Timber on improved recreation areas, sites classified for development and designated Waterfront and Travel Zones will be managed in accordance with the Chief's policy as stated in FSM 2405.12 and FSM 2310.2. Each area or zone in or adjacent to a proposed sale area will be considered for treatment at the time of sale preparation, other cultural treatment, or when necessary in connection with recreation purposes. Recreation resource management specialists and the landscape architect will prepare the prescription for treatment and select the trees for cutting.

(Page 27 has been deleted..)

2. Watershed

The entire working circle is part of the important Salt River Watershed which serves the growing Phoenix area. A major objective of forest management is production of good-quality water and control of stream sedimentation. The forest is the prime protector of water quality.

The selection of planned regeneration areas will be such that watershed values are protected. Site preparation involving soil manipulation necessary for the regeneration of trees must be allowed for the increased benefit derived from the resulting timber stand. This site preparation will be done in a manner which will control soil movement. On denuded areas, burns, etc., where reforestation is planned, vegetative competition will be eliminated either by removal in strips placed on contour, or by removal on larger areas where the soil will be terraced by contour plows. Reference FSM 2405.13.

Logging damage must be minimized by proper location of roads and skid trails. Check dams will be built and grass species will be renewed on all but planned regeneration areas.

3. Power Line Rights-of-way

Special-use permits will specify that the land underneath power lines may be used for other forest purposes. It is planned that wildlife browse-and-feed species may be grown on this land. As suitable, Christmas trees or pulp-sized trees may be grown on this land. The land may be used for any other forest resource use so long as the use does not interfere with the power lines.

4. Wildlife

Wildlife habitat needs will be considered in the prescription for each compartment and timber sale. Guidelines are detailed in FSM 2405.14.

F. Cultural Treatments

1. Precommercial Cleaning and Noncommercial Thinning and Release Cutting

There are many stands of saplings and small poles that need precommercial cleaning and noncommercial thinning. This thinning should reduce the stand basal area to a level that is compatible with optimum growth for the site capabilities. Regional guides will be followed.

A 10-year thinning program is shown in Section VIII. C and on a map in the appendix.

2. Commercial Thinning and Pulpwood Cutting

The primary objective of commercial thinning is to reduce the stand density by utilizing cut material for forest products and by leaving a residual stand basal area which is determined to be optimum for its site capability and age class.

At present, the Pleasant Valley Working Circle is included in the contract to provide wood for the pulpwood mill at Snowflake, Arizona. The Tonto National Forest is obligated to furnish Snowflake with 18,800 cords of pulpwood annually. It is estimated that 9,962 cords will come from the Pleasant Valley Working Circle.

A pulpwood inventory has been partially completed. This inventory covered the northern part of the working circle. The remaining portion of the working circle will be inventoried for pulpwood in conjunction with compartment examination. This will locate the operable stands on the ground. Stands which need thinning should be entered as the market develops. Little can be gained by reserving pulpwood volume since eventually some will grow into saw log sizes and others will be lost through mortality. Emphasis should be on regeneration and silvicultural treatment to produce the necessary quantities of wood for the contract.

After cutting progresses, a firm estimate, based on historical data, can be developed for the pulpwood annual yield.

An eight-year pulpwood cutting budget is shown under Section VI.G and on a map in the appendix.

G. Cutting of Other Products

A cutting budget for Christmas trees is not deemed necessary at this time. Pinyon pine, juniper, white fir, and Douglas-fir are available for cutting by the general public and by commercial operators. A Christmas Tree cutting unit, , is shown on the Small Products Harvesting Program Map.

Sufficient amounts of juniper and oak fuelwood are available to more than meet the anticipated demands.

Other products, in minor quantities, such as poles, posts, and house logs, are harvested on the working circle. No reservations on their harvest are considered necessary. Harvest of these minor products is unregulated.

ACTION PLAN

1965 Timber Management Plan

Pleasant Valley Working Circle

Tonto National Forest

Sections VI, VII, VIII, and Maps

Review and Revision Control Schedule

Fiscal Year	Forest Supervisor						Regional Forester	
	Reviewed By		Revised By		No Revision Needed		Approved By	
	Name	Date	Name	Date	Name	Date	Name	Date
1965	Working Circle Plan Prepared by							
1966								
1967								
1968								
1969								
1970								
1971								
1972								

VI. MANAGEMENT CONTROLS

A. Inventories

The inventory of the Pleasant Valley Working Circle was completed in 1961. It consisted of 207 usable one-quarter-acre circular plots. The standard error of estimate of the inventory is ± 8.47 (two times out of three). Acreages were obtained from photo sample typing.

This working circle will be reinventoried in F.Y. 1971.

B. Compartment Examination

The working circle was divided into large compartments at the time the pulpwood inventory was completed in 1961. These are large compartments, over 5,000 acres in area. These large compartments will be divided into smaller units of approximately 1,000 to 3,000 acres in size. This division will be done on the ground at the time compartment examination of each compartment is made.

Each compartment will be examined prior to entry into the compartment for sales or cultural treatment. Aerial mosaics and aerial photos will be used in the examination. The individual stands in each compartment will be identified and delineated into age classes, or nonstocked areas, and the proper silvicultural treatment prescribed. Eventually compartment examination will be completed two years before each entry. Regional guides will be followed.

The following is the 8-year schedule for compartment examination:

Minimum Compartment Examination Schedule
F.Y. 1965 thru F.Y. 1972

Table 10

Compartment No.	Examination Planned	Compartment No.	Examination Planned	Compartment No.	Examination Planned
127.1	1965	131.4	1967	123.3	1971
127.2	1965	132.1	1968	123.4	1971
127.3	1965	132.2	1968	123.5	1971
127.4	1965	132.3	1968	123.6	1971
120.1	1966	132.4	1968	123.7	1971
120.2	1966	132.5	1968	123.8	1971
120.3	1966	125.1	1969	122.1	1971
120.4	1966	125.2	1969	122.2	1971
121.1	1966	125.3	1969	122.3	1971
121.2	1966	125.4	1969	122.4	1971
121.3	1966	125.5	1969	134.1	1972
126.1	1967	125.6	1969	134.2	1972
126.2	1967	124.1	1970	134.3	1972
126.3	1967	124.2	1970	134.4	1972
126.4	1967	124.3	1970	133.1	1972
131.1	1967	124.4	1970	133.2	1972
131.2	1967	123.1	1971	133.3	1972
131.3	1967	123.2	1971	133.4	1972

C. Regeneration Controls

Regeneration controls will be prescribed at least three years in advance of cutting. This advance notice provides time to make necessary adjustments in grazing programs, game herd use of area, and to control rodents or other pests.

Provision should also be made to protect the area from wildfire, disease, and insects. Reproduction will be protected from animals until it is above browse height.

The regeneration areas will be outlined on a compartment map and treatment will be prescribed to establish reproduction. Once the area is declared regenerated, the area will be recorded on the timber atlas as a 1-20 year age class. The following type of control record will be maintained.

Sample Regeneration Control Record

Table 11

Compartment and Block No.	Reproduction Cuts				Planting & Direct Seeding				Adequate Stands Above Browse Height
	Seed Cut		Removal Cut		Deforested Areas		Understocked & Reproduction Cut Areas		
	Acres	Date	Acres	Date	Acres	Date	Acres	Date	

D. Calculation of Planned Cut

Harvesting and entry will be controlled by area, with volume checks. Volumes to cut were determined on the ground at the time of the inventory. Volumes cut on a particular acre will be controlled by need and by basal area controls. The stands will be treated silviculturally. Area can be selected to harvest approximately the same volume annually. As historical cutting records are developed for each five-year period, the allowable cut can be adjusted by experience.

E. Marking Rules

Regional marking guides will be followed. See F.S.M. 2440. Marking guides for individual stands will be prepared during compartment examination.

F. Records

These will be kept in accordance with Regional requirements by compartments.

G. Cutting Budget

The following cutting budgets for this 8-year period for sawtimber and for pulpwood have been established.

Sawtimber Cutting Budget - 8 Years

Table 12

Fiscal Year	Sale Name	Map #	Total Acres	Total Vol. in Sale - Bd.Ft. Scribner	Fiscal Year Cut	
					Acres	Vol. Mbf Scribner
1965-66	Valentine	II	7,786	* 16,800 M	1965 4,050	3,000 M
					1966 1,400	1,000 M
1966	Valley	I	22,000	39,500 M	2,232	4,000 M
1967	Valley	I			2,790	5,000 M
1968	Valley	I			2,790	5,000 M
1969	Valley	I			2,790	5,000 M
1970	Valley	I			2,790	5,000 M
1971	Valley	I			2,790	5,000 M
1972	Valley	I			2,790	5,000 M

* Estimated 1,000 M overcut; sale will be completed early F.Y. 66.

Pulpwood Cutting Budget - 8 Years

Table 13

Total pulpwood on working circle is 199,396 cords on 51,307 acres. 1/

F.Y.	Compartment No.	Map No.	Fiscal Year Cut	
			Acres 2/	Volume (Cords) 2/
65	101	1	3,380	9,969 Cords
66	101	1	3,380	9,969 Cords
67	102	2	3,380	9,969 Cords
68	102	2	3,380	9,969 Cords
69	103	3	3,380	9,969 Cords
70	103	3	3,380	9,969 Cords
71	103	3	3,380	9,969 Cords
72	103	3	3,380	9,969 Cords

1/ Based upon 3.88 cords per acre as shown on pulpwood inventory.

2/ To be adjusted between compartments when the examination is complete.

VII. TIMBER DISPOSAL POLICIES

A. Sales

The policy is to make saw log sales that will include approximately a 5-year cut. However, the Valley sale will be for approximately an 8-year period. This sale will complete the harvest of the remaining virgin sawtimber on the working circle.

B. Point of Manufacture

It is not necessary or desirable to have any specific requirements for points of manufacture for National Forest timber from this working circle. The mill at Heber can handle the full sawtimber allowable cut. However, when this working circle and the Payson Working Circle are combined in 1971, the entire allowable cut for both will probably be absorbed by one mill.

C. Utilization Standards

Trees in the 11 to 17-inch d.b.h. classes can be sold to either the pulpwood or saw log market under present contract specifications. With a band mill, the sawtimber operator may use 9 to 10-inch size trees. Full use of this smaller material will be encouraged.

D. Erosion Control

Special erosion control work will be planned and carried out, wherever needed, to prevent or repair undesirable soil disturbance and movement. This will be necessary particularly on the steeper slopes near the upper limit of accessibility and on the soil types which future soil surveys identify as most erosive. (See V., E., Special Treatments, of this plan; Pleasant Valley Multiple-Use Management Plan, pages 10 and 11, #1 and 2; FSM 2561.1). Reference FSM 2405.13.

E. Special Sales

Use of minor forest products will be encouraged. The possibility of manzanita being used for charcoal will be explored. If a market can be developed, such use will be promoted.

Commercial use of juniper for furniture manufacture will be encouraged.

VIII. FOREST DEVELOPMENT

A. Transportation

The primary road system necessary for timber harvest on the northern portion of the working circle is in place at this time. The plans for the Valley Sale area, which covers the merchantable timber stands on the southern portion of the working circle, indicate that no system roads will be constructed. All roads will be spurs and will be constructed by the operator. Reference FSM 5613.56, R-3 Supplement.

No listing of roads is needed in this plan.

B. Reforestation

There is adequate evidence in old burns and in areas where soil has been disturbed that ponderosa pine will regenerate itself if given a seed source and adequate protection.

The system of management herein described will provide for an adequate seed source. Protection from livestock and wildlife will be prescribed as necessary.

Direct seeding of approximately 2,000 acres which was burned in 1964 is planned. As this area did not have a juniper understory prior to burning, competition from juniper is not anticipated. This seeding is scheduled over an 8-year period with 250 acres seeded each year.

Table 14

Reforestation Schedule

Direct Seeding of Pine Mountain and Red Fires - 1964 (2,000 acres)

Fiscal Year	Acres	Map No.	Compartment No.
65	250	1	124
66	250	1	123
67	250	1	123
68	250	1	123
69	250	1	123
70	250	1	123
71	250	1	123
72	250	1	123

The total acreage needing regeneration is now 2,000 acres. The regeneration scheduling should be flexible to take care of any major fires occurring in the period of this plan.

The treatment should be seeding direct into prepared seed spots.

C. Timber Stand Improvement

Cultural practices on the Pleasant Valley Working Circle will be adjusted by compartments as each compartment is examined. Table 15 lists the proposed 8-year program.

Thinning will be the major Timber Stand Improvement practice on the working circle. Efforts will be made to establish a market for the resulting products, thus easing the load of putting the stands into optimum condition. Regional guidelines will govern thinning practices (FSM 2471).

Pruning will be a very minor program over the working circle.

Region Three guidelines will govern practices under this program.

Thinning Schedule - 8 Years

Table 15

Fiscal Year	Map No.	Compartment No.	Acres to be Thinned each F.Y. 1/
65	①	101	500
66	①	101	500
67	②	102	500
68	②	102	500
69	③	103	500
70	③	103	500
71	③	103	500
72	③	103	500

1/ The number of acres may be adjusted following compartment examination of these compartments.

Dwarfmistletoe control units will be handled currently with the timber harvest, so no separate schedule has been prepared. These units are outlined on the Timber Stand Improvement Program Map.

Pruning units are not programed for completion this cutting period. However, suitable units have been outlined on the Timber Stand Improvement Program Map.

D. Fire Control

Fire control activities on the working circle will continue on the high plane set in the past. Fire Control plans are set forth in the Pleasant Valley District Fire Plan which is revised annually. Individual sales will have a specific fire plan included in the timber sale contract.

Thinning operations may increase the fire danger somewhat in limited areas for about three years following thinning. After that, the fire danger will actually be less than previous to thinning, due to the reduced density of stems.

E. Rodent Control

Rodents are not a problem as yet on the working circle. There is little evidence to indicate that mice, gophers, or porcupines are causing any appreciable amount of damage to reproduction, pole, or mature stands. However, rodent control will be done currently with the direct seeding planned on the Pine Mountain burn.

F. Animal Control

Grazing will be restricted on regenerated sites for the first few years of tree growth. The reproduction will be protected from browsing by domestic stock through proper stocking, distribution, or total exclusion.

Damage by wildlife is not a problem at present. Wildlife populations will be kept within acceptable limits by directing hunters to specific overpopulated areas. All wildlife problems in conjunction with timber management activities will be correlated with the Arizona Game and Fish Commission.

G. Acquisition

There is very little actual acquisition contemplated at the present. There is, however, a certain amount of land within the working circle which is up for exchange.

H. Slash Treatment

Plans for treatment of slash shall be outlined in the presale prescriptions. Plans will vary with forest type, type of cutting, size of area, fuels, general hazard rating for the area, topography, values, possibility of intensive protection versus complete disposal, accessibility, and other factors affecting protection and land use. The general objective will be to treat slash resulting from timber harvest operations in such manner that facilities available for protection may provide the same degree of protection for the cutover area as was available for it prior to cutting.

End, Action Plan Section of

1965 Timber Management Plan

Pleasant Valley Working Circle

Tonto National Forest

IX. INSECT AND DISEASE CONTROL

The primary disease problem on the working circle is dwarfmistletoe on ponderosa pine. The methods of cutting outlined in this plan will reduce the dwarfmistletoe infection.

Insects have not been a serious problem, and with the planned methods of logging and cultural improvements no problem is anticipated. If insect infestations become excessive, the proper control measures will be taken.

X. APPENDIX - Index

	Page
A. References	46
B. Statistics of Inventory	48
C. Increment and Allowable Yield Calculations	49
1. Calculation of Probable Increment for Working Circle Using Site Indices	49
2. Calculation of Allowable Cut	52
D. Timber Data	58
Table 19 - Defect Factors Used to Derive Net Volumes	59
Table 20 - Stand Table, P3=V Type	60
Table 21 - Stand Table, P2=C, P2-C Type	61
Table 22 - Stand Table, P2-V Type	62
Table 23 - Stand Table, P2=V Type	63
Table 24 - Stand Table, P1-C, P1=C Type	64
Table 25 - Stand Table, P1-V Type	65
Table 26 - Stand Table, P1=V Type	66
Table 27 - Stand Table, P1OV, P1OC, P1OX Type	67
Table 28 - Stand Table, MC1-V Type	68
Table 29 - Stand Table, MC1=V Type	69
Table 30 - Stand Table, P2-X Type	70
Table 31 - Stand Table, P1-X Type	71
Table 32 - Stand Table, NPJ Type	72
Table 33 - Acreage and Net Volumes of Administrative Working Group	73

Page

Table 34 - Acreage and Net Volumes of Noncommercial Timbered Areas 74

Table 35 - Summary Table for - Scribner - Sawtimber - 11.6" D.B.H. and Over - Gross Volumes - Per Acre 75

Table 36 - Summary Table for International ¼" Sawtimber - Gross Volumes - Per Acre 76

Table 37 - Summary Table for Cubic Feet - 5.0" Through 11.5" D.B.H. - Gross Volumes - Per Acre 77

Table 38 - Summary Table for Cubic Feet - All Sizes (5" and Over) - Gross Volumes - Per Acre 78

Table 39 - Summary Table for Cubic Feet - 11.6" and Over - Gross Volumes - Per Acre 79

Table 40 - Summary Table for Scribner Sawtimber - Net Volumes - Per Acre 80

Table 41 - Summary Table for International ¼" Bd. Ft. - Net Volumes - Per Acre 81

Table 42 - Summary Table for Cubic Feet - 5.0" Through 11.5" D.B.H. - Net Volumes - Per Acre 82

Table 43 - Summary Table for Cubic Feet - 5" and Over D.B.H. - Net Volumes - Per Acre 83

Table 44 - Summary Table for Cubic Feet - 11.6" and Over D.B.H. - Net Volumes - Per Acre 84

Table 45 - Working Circle Totals - Sawtimber - Scribner - Net Volumes 85

Table 46 - Working Circle Totals - International ¼" Bd. Ft. Sawtimber - Net Volumes 86

Table 47 - Working Circle Totals - Cubic Feet - 5.0" - 11.5" D.B.H. - Net Volumes 87

Page

Table 48 - Working Circle Totals - Cubic Feet - 5.0" and Over D.B.H. - Net Volumes 88

Table 49 - Working Circle Totals - Cubic Feet - 11.6" and Over D.B.H. - Net Volumes 89

Table 50 - Working Circle Totals - Sawtimber - Scribner Rule - 11.6" and Over D.B.H. - Gross Volumes 90

Table 51 - Working Circle Totals - Sawtimber - International $\frac{1}{4}$" Rule - 11.6" and Over D.B.H. - Gross Volumes 91

Table 52 - Working Circle Totals - Cubic Feet - 5.0" - 11.5" D.B.H. - Gross Volumes 92

Table 53 - Working Circle Totals - Cubic Feet - 5.0" and Over D.B.H. - Gross Volumes 93

Table 54 - Working Circle Totals - Cubic Feet - 11.6" and Over D.B.H. - Gross Volumes 94

Table 55 - Gross Volumes on the Tonto Basin Ranger District Portion of the Pleasant Valley Working Circle 95

E. Maps

1. Compartment Map.

2. Working Group Map.

3. Sawtimber Harvest Program and Transportation Map.

4. Small Products Harvesting Program Map.

5. Reforestation Program Map.

6. Timber Stand Improvement Program Map.

A. References

1. U.S. Department of Agriculture, Forest Service, Station Paper No. 49, A Survey of Dwarfmistletoe in Arizona and New Mexico, by Stuart R. Andrews and John P. Daniels. Fort Collins, Colorado, Rocky Mountain Forest and Range Experiment Station. 1960.

2. _____Miscellaneous Publication No. 12, Silvics of Ponderosa Pine, by James D. Curtis and Donald W. Lynch. Ogden, Utah, Intermountain Forest and Range Experiment Station. 1957.

3. _____Station Paper No. 14, Dwarfmistletoe of Ponderosa Pine in the Southwest, by Lake S. Gill. Fort Collins, Colorado, Rocky Mountain Forest and Range Experiment Station. 1954.

4. _____ Timber Management Plans on the National Forests, by L. S. Gross. Washington D.C., Washington Office, Division of Timber Management. 1950.

5. _____Technical Bulletin No. 1191, The Application of Unit Area Control in the Management of Ponderosa-Jeffrey Pine at Blacks Mountain Experimental Forest, by William E. Hallin, California Forest and Range Experiment Station. Washington, D.C. 1959.

6. _____Station Paper No. 21, Management of Douglas-Fir Timberland in the Southwest, by Herman Krauch. Fort Collins, Colorado, Rocky Mountain Forest and Range Experiment Station. 1956.

7. _____Agriculture Monograph No. 6, Management of Ponderosa Pine in the Southwest, by G. A. Pearson, Southwest Forest and Experiment Station. Washington, D.C., Government Printing Office. 1950 - 892292.

8. _____ Region 3 Timber Management Handbook. Albuquerque, New Mexico, Forest Service, Region 3. 1950.

9. _____ Technical Bulletin No. 630, Yield of Even-Age Stands of Ponderosa Pine, by Walter H. Meyer, Pacific Northwest Forest Experiment Station. Washington, D.C. 1938 (slightly revised 1961).

10. _____ Technical Bulletin No. 201, The Yield of Douglas-Fir in the Pacific Northwest, by Richard E. McArdle, Walter H. Meyer, and Donald Bruce. Washington D.C. 1949 (slightly revised 1961).

11. _____ Forest Service Manual. Washington, D.C. 1957-1958 and amendments (Title 2400) (Title 5100).

12. _____ Forest Service Roads Handbook. Washington, D.C. (Title 5610.42).

13. _____ Region 3, Tonto National Forest Recreation Survey. Phoenix, Arizona. 1960.

14. _____ Region 3, Pleasant Valley District Multiple-Use Plan. Phoenix, Arizona. 1960.

15. Hawksworth, Frank G., and Arthur A. Lusher, "Dwarfmistletoe Survey and Control on the Mescalero-Apache Reservation, New Mexico." Journal of Forestry, Vol. 54, No. 6, Part 1, p. 384-390. Washington 6, D.C., Society of American Foresters. 1956.

B. Statistics of Inventory

Number of Sample Plots	207
Sum of Plot Volumes	698,000
Sum of Squared Plot Volumes	5,846,305,600
Sum of Plot Volumes Squared	487,204,000,000
Mean Volume per Acre (Gross)	3,371.98 bd. ft.
Standard Deviation from Mean	± 4,107.65
Standard Error of Mean	± 285.45
Coefficient of Variation	121.82
Percent of Error	± 8.47
Number of Plots Required for 10% accuracy (two times out of three)	122

C. Increment and Allowable Yield Calculations

1. Calculation of Probable Increment for Working Circle Using Site Indices

Potential Mean Annual Growth 2/

Table 16

Forest Type	Acres	Per Acre 1/ Mean Annual Growth Net Bd.Ft. Scribner	Working Cir. Mean Annual Growth Net Bd.Ft. Scribner	Per 1/ Acre Mean Annual Growth Net Cu.Ft.	Working Circle Mean Annual Growth Net Cu.Ft.
Operable					
Ponderosa Pine	96,369	120	11,564,280	41	3,951,129
Mixed-conifer	618	111	68,598	51	31,518
	96,987	120	11,632,878	41	3,982,647
Inoperable					
Ponderosa Pine	5,153	120	618,360	41	211,273
Mixed-conifer	237	111	26,307	51	12,087
	5,390	120	644,667		223,360
NPJ	Not Suitable for consideration				
	102,377	120	12,277,545	41	4,206,007

1/ Weighted Averages

2/ All Working Groups for a 120-year Rotation Period Average

Calculation of Periodic Annual Growth

Pleasant Valley Working Circle 1/

Tonto National Forest

Table 17

Symbol	Timber Stand Classification	Stocking Class in % of Crown Cover	Acres	Basal 2/ Area at Full Stocking Sq. Ft.	57% of Full Stocking Basal Area Sq. Ft.	Actual 3/ Basal Area Sq. Ft.	Percent 4/ of Actual to 57% Basal Area	Per 5/ Acre Periodic Annual Growth as Derived from Mean Annual Growth Net Bd.Ft. Scribner	Working Circle Periodic Annual Growth Net Bd. Ft. Scribner	Per Acre 6/ Periodic Annual Growth as Derived From Mean Annual Growth Net Cubic Feet	Working Circle Periodic Annual Growth Net Cubic Feet
	Ponderosa Pine							120 Mean		41 Mean	
P3=V	Virgin Seedlings	Medium	5,814	52	30	13.60	45.3	—	—	19	110,466
P2=C	Cutover Poletimber	Medium	15,142	177	101	57.41	56.8	68	1,029,656	23	348,266
P2=V	Virgin Poletimber	Poor	13,388	177	101	24.58	24.3	29	388,252	10	133,880
P2=V	Virgin Poletimber	Modium	3,640	177	101	71.45	70.7	85	309,400	29	105,560
P1-C	Cutover Sawtimber	Poor	15,647	177	101	49.96	49.5	59	923,173	20	312,940
P1-V	Virgin Sawtimber	Poor	37,210	177	101	46.09	45.6	55	2,046,550	19	706,990
P1=V	Virgin Sawtimber	Medium	5,300	177	101	95.93	95.0	114	604,200	39	206,700
								7 Mean		28 Mean	
P1OV	Fringe Sawtimber	Poor	228	141	80	12.30	15.4	1	228	4	912
			96,369				Weighted Average - 55		5,301,459	Weighted Average - 20	1,925,714
	Mixed-conifer							111 Mean		51 Mean	
MC1-V	Virgin Sawtimber	Poor	80	197	112	152.87	100.0	111	8,880	51	4,080
MC1=V	Virgin Sawtimber	Medium	458	197	112	145.15	100.0	111	50,838	51	23,358
								25 Mean		32 Mean	
MC1OV	Fringe Sawtimber	Poor	80	150	86	12.30	14.3	4	320	5	400
			618				Weighted Average - 97		60,038	Weighted Average - 45	27,838
			96,987				Weighted Average - 55		5,361,497	Weighted Average - 20	1,953,552
	Inoperable							120 Mean		41 Mean	
P3=X	Seedlings	Medium	160	52	30	13.60	45.3	—	—	19	3,040
P2-X	Poletimber	Poor	1,622	177	101	21.99	21.8	26	42,172	9	14,598
P1-X	Sawtimber	Poor	3,371	177	101	72.54	71.8	86	289,906	29	97,759
			5,153				Weighted Average - 64		332,078	Weighted Average - 22	115,397
								111 Mean		51 Mean	
MC1=X	Sawtimber	Medium	237	197	112	145.15	100.0	111	26,307	51	12,087
			5,390				Weighted Average - 66		358,385	Weighted Average - 24	127,484
								7 Mean		28 Mean	
NPJ	Woodland		19,551	141	80	3.26	4.1	0.3	5,865	1	19,551
			24,941				Weighted Average - 15		364,250	Weighted Average - 6	147,035
			121,928						5,725,747		2,100,587

1/ All Working Groups for a 120-year Rotation Period Average

2/ From Table 4, T.B. 630, for Ponderosa Pine, average site index 65 for poles, seedlings, and sawtimber, 40 for fringe sawtimber. Average age poles, 60 years; seedlings, 20 years; sawtimber, 105 years. From Table 2, T.B. 201, for mixed-conifer, average site index 80. Average age - 105 years.

3/ From stand tables compiled from inventory data.

4/ Actual basal area stocking divided by 57% of full basal area stocking.

5/ Mean annual growth Scribner bd. ft. for Ponderosa Pine from Table 25, T.B. 630, average site index 65 for poles, seedlings, and sawtimber, 40 for fringe sawtimber. Mean annual growth Scribner bd. ft. for mixed-conifer computed from Table 4, T.B. 201, average site index 80.

6/ Mean annual growth cu. ft. for Ponderosa Pine from Table 21, T.B. 630, average site index 65 for poles, seedlings, and sawtimber, 40 for fringe sawtimber. Mean annual growth cu. ft. for mixed-conifer computed from Table 4, T.B. 201, average site index 80.

Anticipated periodic annual growth per acre determined by multiplying the actual percent of basal area stocking by the mean annual growth.

Forest Type Legend for Table 17

Table 18

Symbol	Meaning of Symbol
P	Ponderosa Pine
MC	Mixed-conifer
NPJ	Woodland - Pinon-Juniper
NC	Brush - Chaparral
N	Grassland
Size Class	
1	Sawtimber
2	Poletimber
3	Seedlings and Saplings
Stocking (Crown Density)	
0	Fringe type, very poorly stocked
-	Poorly stocked (10-39% crown cover density)
=	Medium stocked (40-60% crown cover density)
Condition	
V	Virgin
C	Cutover
X	Inoperable

Thus: Symbol P1-V means ponderosa pine sawtimber, poorly stocked, virgin.

Symbol P3=X means ponderosa pine seedlings, medium stocked, inoperable.

2. Calculation of Allowable Cut

Trees were classified as to "cut" or "leave" when the field inventory was made. These "cut" figures show that 20,005,026 cubic feet of wood must be cut or lost in the next twenty years. This is a rate of 1,000,000 cubic feet per year. The computed cubic feet growth rate is 1,953,552 cubic foot per year.

The growth rate per year in Scribner measure is 5,361,497 bd. ft. net. The "cut" figures show that 4,884,000 bd. ft. net Scribner should be cut per year.

A sawtimber timber cut of 5,000 M bd. ft. net Scribner is estimated on the annual yield from the allowable cut acreage. This compares favorably with the above figures.

Net growth per year - Cubic feet -	1,954 M
Net cut per year sawtimber - Cubic feet ----------	- 893 M
	1,061 M
Net cut per year pulpwood - Cubic feet ----------	-971 M
Net annual growth which will be retained to bring understocked stands to optimum stocking -----	90 M

a. Calculation of Volume to Cut by Each Cutting Method - Sawtimber

(1) Removal Cutting - Sawtimber

Item	Technical Working Group		Administrative Working Group		Summary
	Ponderosa Pine Type	Mixed-conifer Type	Ponderosa Pine Type	Mixed-conifer Type	
Annual Acreage to Regenerate	789	5	8	1	803
Acres of Non-stocked Area to Regenerate Annually	-250	-	-	-	-250
Stocked Acres to Regenerate	539	5	8	1	553
Average Net Volume Per Acre to Cut - Bd. Ft.	2,841	6,625	2,892	4,514	
Annual Average Cut Volume - Net Bd. Ft.	1,531,299	33,125	23,136	4,514	1,592,074 1,592,000

(2) Average Volumes

Item	Technical Working Group		Administrative Working Group		Summary
	Ponderosa Pine Type	Mixed-conifer Type	Ponderosa Pine Type	Mixed-conifer Type	
Total Net Volume - Bd. Ft.	269,047,077	3,636,856	4,813,069	311,466	277,808,468
Total Operable Acres	94,705	549	1,664	69	96,987
Average Net Volume Per Acre-Bd.Ft.	2,841	6,625	2,892	4,514	
Total Net Cubic Foot Volume 5.0"-11.5" D.B.H.	24,314,943	243,387	403,364	66,818	25,028,512
Total Operable Acres	94,705	549	1,664	69	96,987
Average Cubic Foot Volume Per Acre - 5.0" - 11.5" D.B.H.	257	443	242	968	
Average No. of Cords	3.0	5.2	2.8	11.4	

(3) Preparatory and Seed Cutting - Sawtimber

Annual Acreage of Preparatory Cuts	4,047
Average Cut Per Acre Net Bd. Ft.	842
	3,407,574
Annual Average Cut Volume Net Bd. Ft.	3,408,000

b. Calculation of Available Pulpwood Cut by Cutting Methods

(1) Removal Cutting - Pulpwood

Item	Technical Working Group		Administrative Working Group		Summary
	Ponderosa Pine Type	Mixed-conifer Type	Ponderosa Pine Type	Mixed-conifer Type	
Annual Acreage to Regenerate	789	5	8	1	803
Acres of Non-stocked Area to Regenerate Annually	-250	-	-	-	-250
Acres of Presently Stocked Areas to Regenerate Annually	539	5	8	1	553
Average No. of Cords to Cut Per Acre - 5.0" - 11.5" D.B.H.	3.0	5.2	2.8	11.4	
Average Annual Cut Volume in Cords - 5.0" - 11.5" D.B.H.	1,617	26	22	11	1,676

(2) Intermediate Cutting - Pulpwood

Item	Technical Working Group		Administrative Working Group		Summary
	Ponderosa Pine Type	Mixed-conifer Type	Ponderosa Pine Type	Mixed-conifer Type	
No. of Acres to Enter Per Year	9,471	55	166	7	9,699
Average No. of Cords Per Acre 5.0" - 11.5" D.B.H	3.0	5.2	2.8	11.4	
Total Cords Available 5.0" - 11.5" D.B.H.	28,413	286	465	80	29,244
Cut 1/3 of Total Cords Available this Cutting Period					÷ 3
Annual Average Cut Volume - Cords					9,748

(3) Total Cords Available Per Year

Removal Cutting ---------	1,676 Cords
Intermediate Cutting ----	9,748 Cords
	11,424 Cords
Current Obligation ------	9,962 Cords
Excess Available -------	1,462 Cords

c. Calculation of Unregulated Salvage Material Available

Sales inventories and extensive inventories on this working circle show that an average of 60 board foot net Scribner per acre has died each year over the past ten years. Salvage volume such as this is recovered now only on current sales areas. Salvage that could be recovered from the working circle annually is estimated as follows:

Annual Average Acreage of Working Circle Not Included Within Going Timber Sales --	82,438 acres
Average Net Bd. Ft. Scribner Volume Per Acre Available ----------	30 bd. ft.
Average Annual Unregulated Salvage Available Net Bd. Ft. Scribner -------	2,473,140
	2,470,000

It is expected that the current harvest program in virgin timber areas will remove at least one-half of the trees that would die in the next 10 years. So the estimated mortality per acre has been reduced to 30 bd. ft.

D. Timber Data

Tables 19 through 55

Defect Factors Used to Derive Net Volumes

Table 19

Species	Virgin		Cutover	
	Defect %	Defect Factor	Defect %	Defect Factor
Yellow pine	30	70	25	75
Black jack	15	85	12	88.
Douglas-fir	35	65	30	70
White fir	50	50	35	65

Residual Stand

	Defect %	Defect Factor
Yellow pine	15	85
Black jack	5	95
Douglas-fir	20	80
White fir	25	75

Table 20

STAND TABLE - CUTOVER, VIRGIN
(Strike out one)

P3=V **Type**

Tonto **N.F.** Pleasant Valley **W.C.** **Based on** 1 **Plots**

Stems per acre by 1" Diameter Classes

D.B.H. Inches	PP* No.	BJ No.	DF No.	True Firs No.	S No.	LP No.	Softwood Species No.	A No.	B.A. Factor	Basal Area Sftwds.	A
4	XXX	—					—		.087	—	
5	XXX	10.00					10.00		.136	13.60	
6	XXX								.196		
7	XXX								.267		
Subtotal	—	10.00					10.00		—	13.60	
8	XXX								.349		
9	XXX								.442		
10	XXX								.545		
11	XXX								.660		
Subtotal									—		
12									.785		
13									.922		
14									1.069		
15									1.227		
16									1.396		
17									1.576		
18									1.767		
19									1.969		
20									2.182		
Subtotal									—		
21									2.405		
22									2.640		
23									2.885		
24									3.142		
25									3.409		
26									3.687		
27									3.976		
28									4.276		
29									4.587		
30									4.909		
Subtotal		—					—			—	
Total		10.00					10.00			13.60	

*Includes Arizona, Apache & Chihuahua Pines

Form R3 2400-30
(Rev. 3/59)

Table 21

STAND TABLE - CUTOVER, VIRGIN
(Strike out one)

P2=C, P2-C **Type**

Tonto **N.F.** Pleasant Valley **W.C.** **Based on** 3 **Plots**

Stems per acre by 1" Diameter Classes

D.B.H. Inches	PP* No.	BJ No.	DF No.	True Firs No.	S No.	LP No.	Softwood Species No.	A No.	B.A. Factor	Basal Area Sftwds.	A
4	XXX	—					—		.087	—	
5	XXX	10.00					10.00		.136	1.36	
6	XXX	20.00					20.00		.196	3.92	
7	XXX	13.33					13.33		.267	3.56	
Subtotal	—	43.33					43.33			8.84	
8	XXX	13.33					13.33		.349	4.65	
9	XXX	13.33					13.33		.442	5.89	
10	XXX	6.67					6.67		.545	3.64	
11	XXX	1.34					1.34		.660	0.88	
Subtotal		34.67					34.67		—	15.06	
12		2.67					2.67		.785	2.10	
13		—					—		.922	—	
14		1.33					1.33		1.069	1.42	
15									1.227		
16									1.396		
17		1.33					1.33		1.576	2.10	
18	1.33						1.33		1.767	2.35	
19	1.33						1.33		1.969	2.62	
20	1.34						1.34		2.182	2.92	
Subtotal	4.00	5.33					9.33		—	13.51	
21	1.33						1.33		2.405	3.20	
22	—						-		2.640	—	
23	1.33						1.33		2.885	3.84	
24	2.67						2.67		3.142	8.39	
25	1.34						1.34		3.409	4.57	
26									3.687		
27									3.976		
28									4.276		
29									4.587		
30									4.909		
Subtotal	6.67	—					6.67			20.00	
Total	10.67	83.33					94.00			57.41	

*Includes Arizona, Apache & Chihuahua Pines

Form R3 2400-30
(Rev. 3/59)

Table 22

STAND TABLE - CUTOVER, VIRGIN
(Strike out one)

P2-V Type

Tonto N.F. Pleasant Valley W.C. Based on 17 Plots

Stems per acre by 1" Diameter Classes

D.B.H. Inches	PP* No.	BJ No.	DF No.	True Firs No.	S No.	LP No.	Softwood Species No.	A No.	B.A. Factor	Basal Area Sftwds.	A
4	XXX	—					—		.087	—	
5	XXX	11.18					11.18		.136	1.52	
6	XXX	11.18					11.18		.196	2.19	
7	XXX	8.82					8.82		.267	2.35	
Subtotal		31.18					31.18			6.06	
8	XXX	11.76					11.76		.349	4.10	
9	XXX	8.24					8.24		.442	3.64	
10	XXX	4.71					4.71		.545	2.57	
11	XXX	3.06					3.06		.660	2.02	
Subtotal		27.77					27.77		—	12.33	
12		2.35					2.35		.785	1.84	
13		1.18					1.18		.922	1.09	
14		0.23					0.23		1.069	0.25	
15		—					—		1.227	—	
16		0.24					0.24		1.396	0.34	
17	0.23	0.47					0.70		1.576	1.10	
18		0.23					0.23		1.767	0.41	
19		0.24					0.24		1.969	0.47	
20		—					—		2.182	—	
Subtotal	0.23	4.94					5.17		—	5.50	
21	—								2.405		
22	—								2.640		
23	0.24						0.24		2.885	0.69	
24									3.142		
25									3.409		
26									3.687		
27									3.976		
28									4.276		
29									4.587		
30									4.909		
Subtotal	0.24	—					0.24			0.69	
Total	0.47	63.89					64.36			24.58	

*Includes Arizona, Apache & Chihuahua Pines

Form R3 2400-30
(Rev. 3/59)

Table 23

STAND TABLE - CUTOVER, VIRGIN
(Strike out one)

P2=V Type

Tonto N.F. Pleasant Valley W.C. Based on 2 Plots

Stems per acre by 1" Diameter Classes

D.B.H. Inches	PP* No.	BJ No.	DF No.	True Firs No.	S No.	LP No.	Softwood Species No.	A No.	B.A. Factor	Basal Area Sftwds.	A
4	XXX	—					—		.087	—	
5	XXX	75.00					75.00		.136	10.20	
6	XXX	75.00					75.00		.196	14.70	
7	XXX	40.00					40.00		.267	10.68	
Subtotal	—	190.00					190.00			35.58	
8	XXX	55.00					55.00		.349	19.20	
9	XXX	20.00					20.00		.442	8.84	
10	XXX	5.00					5.00		.545	2.73	
11	XXX	—					—		.660	—	
Subtotal		80.00					80.00		—	30.77	
12		2.00					2.00		.785	1.57	
13									.922		
14									1.069		
15									1.227		
16									1.396		
17									1.576		
18	2.00						2.00		1.767	3.53	
19									1.969		
20									2.182		
Subtotal	2.00	2.00					4.00		—	5.10	
21									2.405		
22									2.640		
23									2.885		
24									3.142		
25									3.409		
26									3.687		
27									3.976		
28									4.276		
29									4.587		
30									4.909		
Subtotal	—	—					—			—	
Total	2.00	272.00					274.00			71.45	

*Includes Arizona, Apache & Chihuahua Pines

Form R3 2400-30
(Rev. 3/59)

Table 24

STAND TABLE - CUTOVER, VIRGIN
(Strike out one)

P1-C, P1=C Type

Tonto N.F. Pleasant Valley W.C. Based on 64 Plots

Stems per acre by 1" Diameter Classes

D.B.H. Inches	PP* No.	BJ No.	DF No.	True Firs No.	S No.	LP No.	Softwood Species No.	A No.	B.A. Factor	Basal Area Sftwds.	A
4	XXX	—	—	—			—		.087	—	
5	XXX	21.25	0.78	0.31			22.34		.136	3.04	
6	XXX	14.84					14.84		.196	2.91	
7	XXX	13.44					13.44		.267	3.59	
Subtotal	—	49.53	0.78	0.31			50.62			9.54	
8	XXX	10.63	0.47				11.10		.349	3.87	
9	XXX	7.19	0.31				7.50		.442	3.32	
10	XXX	5.31	0.16				5.47		.545	2.98	
11	XXX	4.06	0.19				4.25		.660	2.81	
Subtotal	—	27.19	1.13				28.32		—	12.98	
12	0.31	3.44	—				3.75		.785	2.94	
13	0.31	2.56	0.06				2.93		.922	2.70	
14	0.19	1.50	—				1.69		1.069	1.81	
15	0.25	1.25	0.06				1.56		1.227	1.91	
16	0.31	0.75					1.06		1.396	1.48	
17	0.44	0.31					0.75		1.576	1.18	
18	0.38	0.63					1.01		1.767	1.78	
19	0.69	0.06					0.75		1.969	1.48	
20	0.38	0.25					0.63		2.182	1.37	
Subtotal	3.26	10.75	0.12				14.13		—	16.65	
21	0.81	0.06	—				0.87		2.405	2.09	
22	0.25	0.19	0.06				0.50		2.640	1.32	
23	0.19		0.06				0.25		2.885	0.72	
24	0.25		0.13				0.38		3.142	1.19	
25	0.25						0.25		3.409	0.85	
26	0.31	0.06					0.37		3.687	1.36	
27	0.13						0.13		3.976	0.52	
28	0.06						0.06		4.276	0.26	
29	0.25						0.25		4.587	1.15	
30	0.13						0.13		4.909	0.64	
31	0.06						0.06		5.241	0.31	
32	-						-			-	
33	-						-			-	
34	0.06						0.06		6.305	0.38	
Subtotal	2.75	0.31	0.25	-			3.31			10.79	
Total	6.01	87.78	2.28	0.31			96.38			49.96	

*Includes Arizona, Apache & Chihuahua Pines

Form R3 2400-30
(Rev. 3/59)

Table 25

STAND TABLE - CUTOVER, VIRGIN
(Strike out one)

P1-V **Type**

Tonto **N.F.** Pleasant Valley **W.C.** **Based on** 104 **Plots**

Stems per acre by 1" Diameter Classes

D.B.H. Inches	PP* No.	BJ No.	DF No.	True Firs No.	S No.	LP No.	Softwood Species No.	A No.	B.A. Factor	Basal Area Sftwds.	A
4	XXX	—	—	—			—		.087	—	
5	XXX	15.96	0.87	0.19			17.02		.136	2.31	
6	XXX	11.54	0.87	-		0.19	12.60		.196	2.47	
7	XXX	10.96	0.38	-		-	11.34		.267	3.03	
Subtotal	—	38.46	2.12	0.19		0.19	40.96			7.81	
8	XXX	8.27	0.77	0.10			9.14		.349	3.19	
9	XXX	8.85	-	0.19			9.04		.442	4.00	
10	XXX	3.75	-	0.10			3.85		.545	2.10	
11	XXX	3.92	0.04	-			3.96		.660	2.61	
Subtotal	—	24.79	0.81	0.39			25.99		—	11.90	
12	0.15	3.92	0.08	-			4.15		.785	3.26	
13	0.19	2.62	-	-			2.81		.922	2.59	
14	0.27	1.31	-	0.08			1.66		1.069	1.77	
15	0.31	1.35	-				1.66		1.227	2.04	
16	0.27	0.81	-				1.08		1.396	1.51	
17	0.35	0.62	0.08				1.05		1.576	1.65	
18	0.23	0.58	-				0.81		1.767	1.43	
19	0.19	0.42	0.04				0.65		1.969	1.28	
20	0.46	0.27	0.04				0.77		2.182	1.68	
Subtotal	2.42	11.90	0.24	0.08			14.64		—	17.21	
21	0.54	0.27	-				0.81		2.405	1.95	
22	0.46	-	-				0.46		2.640	1.21	
23	0.23	0.08	0.04				0.35		2.885	1.01	
24	0.08	0.08					0.16		3.142	0.50	
25	0.42	0.08					0.50		3.409	1.70	
26	0.08	0.04					0.12		3.687	0.44	
27	0.15	-					0.15		3.976	0.60	
28	-	-					-		4.276	-	
29	0.04	-					0.04		4.587	0.18	
30	-	-					-		4.909	-	
31	0.04	-					0.04		5.241	0.21	
36	0.04	-					0.04		7.069	0.28	
37	0.04	-					0.04		7.467	0.30	
40	-	-	0.04				0.04		8.727	0.35	
45	-	-	0.04				0.04		11.045	0.44	
Subtotal	2.12	0.55	0.12	—		—	2.79			9.17	
Total	4.54	75.70	3.29	0.66		0.19	84.38			46.09	

*Includes Arizona, Apache & Chihuahua Pines

Form R3 2400-30
(Rev. 3/59)

Table 26

STAND TABLE - CUTOVER, VIRGIN
(Strike out one)

P1=V Type

Tonto N.F. Pleasant Valley W.C. Based on 1 Plots

Stems per acre by 1" Diameter Classes

D.B.H. Inches	PP* No.	BJ No.	DF No.	True Firs No.	S No.	LP No.	Softwood Species No.	A No.	B.A. Factor	Basal Area Sftwds.	A
4	XXX		—				—		.087	—	
5	XXX		20.00				20.00		.136	2.72	
6	XXX		—				—		.196	—	
7	XXX		10.00				10.00		.267	2.67	
Subtotal	—		30.00				30.00		—	5.39	
8	XXX		—				—		.349	—	
9	XXX	10.00	10.00				20.00		.442	8.84	
10	XXX	—	10.00				10.00		.545	5.45	
11	XXX	8.00	—				8.00		.660	5.28	
Subtotal		18.00	20.00				38.00		—	19.57	
12		8.00	4.00				12.00		.785	9.42	
13		4.00	4.00				8.00		.922	7.38	
14		8.00					8.00		1.069	8.55	
15							—		1.227	—	
16							—		1.396	—	
17		4.00					4.00		1.576	6.30	
18		8.00					8.00		1.767	14.14	
19							—		1.969	—	
20							—		2.182	—	
Subtotal		32.00	8.00				40.00		—	45.79	
21							—		2.405	—	
22							—		2.640	—	
23		4.00					4.00		2.885	11.54	
24		—					—		3.142	—	
25		4.00					4.00		3.409	13.64	
26									3.687		
27									3.976		
28									4.276		
29									4.587		
30									4.909		
Subtotal		8.00					8.00			25.18	
Total		58.00	58.00				116.00			95.93	

*Includes Arizona, Apache & Chihuahua Pines

Form R3 2400-30
(Rev. 3/59)

Table 27

STAND TABLE - CUTOVER, VIRGIN
(Strike out one)

P1OV, P1OC, P1OX **Type**

Tonto **N.F.** Pleasant Valley **W.C.** **Based on** 6 **Plots**

Stems per acre by 1" Diameter Classes

D.B.H. Inches	PP* No.	BJ No.	DF No.	True Firs No.	S No.	LP No.	Softwood Species No.	A No.	B.A. Factor	Basal Area Sftwds.	A
4	XXX	—					—		.087	—	
5	XXX	1.67					1.67		.136	0.23	
6	XXX	3.33					3.33		.196	0.65	
7	XXX	1.67					1.67		.267	0.45	
Subtotal		6.67					6.67		—	1.33	
8	XXX	3.33					3.33		.349	1.16	
9	XXX	1.67					1.67		.442	0.74	
10	XXX	—					—		.545	—	
11	XXX	0.67					0.67		.660	0.44	
Subtotal		5.67					5.67		—	2.34	
12		2.67					2.67		.785	2.10	
13	0.67	1.33					2.00		.922	1.84	
14		0.67					0.67		1.069	0.72	
15		0.66					0.66		1.227	0.81	
16		0.67					0.67		1.396	0.94	
17		0.66					0.66		1.576	1.04	
18		0.67					0.67		1.767	1.18	
19		—					—		1.969	—	
20		—					—		2.182	—	
Subtotal	0.67	7.33					8.00		—	8.63	
21									2.405		
22									2.640		
23									2.885		
24									3.142		
25									3.409		
26									3.687		
27									3.976		
28									4.276		
29									4.587		
30									4.909		
Subtotal	—	—					—			—	
Total	0.67	19.67					20.34			12.30	

*Includes Arizona, Apache & Chihuahua Pines

Form R3 2400-30
(Rev. 3/59)

Table 28

STAND TABLE - CUTOVER, VIRGIN
(Strike out one)

MC1-V Type

Tonto N.F. Pleasant Valley W.C. Based on 1 Plots

Stems per acre by 1" Diameter Classes

D.B.H. Inches	PP* No.	BJ No.	DF No.	True Firs No.	S No.	LP No.	Softwood Species No.	A No.	B.A. Factor	Basal Area Sftwds.	A
4	XXX		—				—		.087	—	
5	XXX		10.00				10.00		.136	1.36	
6	XXX		—	20.00			20.00		.196	3.92	
7	XXX		10.00	20.00			30.00		.267	8.01	
Subtotal	—		20.00	40.00			60.00		—	13.29	
8	XXX		10.00	40.00			50.00		.349	17.45	
9	XXX		20.00	—			20.00		.442	8.84	
10	XXX		—	60.00			60.00		.545	32.70	
11	XXX		—	8.00			8.00		.660	5.28	
Subtotal			30.00	108.00			138.00		—	64.27	
12			4.00	28.00			32.00		.785	25.12	
13			—	4.00			4.00		.922	3.69	
14			—	12.00			12.00		1.069	12.83	
15			8.00	4.00			12.00		1.227	14.72	
16			4.00	—			4.00		1.396	5.58	
17				4.00			4.00		1.576	6.30	
18				4.00			4.00		1.767	7.07	
19							—		1.969	—	
20							—		2.182	—	
Subtotal			16.00	56.00			72.00		—	75.31	
21									2.405		
22									2.640		
23									2.885		
24									3.142		
25									3.409		
26									3.687		
27									3.976		
28									4.276		
29									4.587		
30									4.909		
Subtotal			—	—			—			—	
Total			66.00	204.00			270.00			152.87	

*Includes Arizona, Apache & Chihuahua Pines

Form R3 2400-30
(Rev. 3/59)

Table 29

STAND TABLE - CUTOVER, VIRGIN
(Strike out one)

MC1=V **Type**

Tonto **N.F.** Pleasant Valley **W.C.** **Based on** 2 **Plots**

Stems per acre by 1" Diameter Classes

D.B.H. Inches	PP* No.	BJ No.	DF No.	True Firs No.	S No.	LP No.	Softwood Species No.	A No.	B.A. Factor	Basal Area Sftwds.	A
4	XXX		—	—			—		.087	—	
5	XXX		20.00	45.00			65.00		.136	8.840	
6	XXX		5.00	45.00			50.00		.196	9.800	
7	XXX	5.00	—	20.00			25.00		.267	6.675	
Subtotal	—	5.00	25.00	110.00			140.00			25.315	
8	XXX		5.00	20.00			25.00		.349	8.725	
9	XXX		5.00	30.00			35.00		.442	15.470	
10	XXX		—	10.00			10.00		.545	5.450	
11	XXX		2.00	6.00			8.00		.660	5.280	
Subtotal			12.00	66.00			78.00		—	34.925	
12			2.00	8.00			10.00		.785	7.850	
13			—	2.00			2.00		.922	1.844	
14			—	—			—		1.069	—	
15			—	2.00			2.00		1.227	2.454	
16			2.00				2.00		1.396	2.792	
17			—						1.576	—	
18			—						1.767	—	
19			—						1.969	—	
20			—						2.182	—	
Subtotal			4.00	12.00			16.00		—	14.940	
21			—	2.00			2.00		2.405	4.810	
22			—				—		2.640	—	
23			2.00				2.00		2.885	5.770	
24			—	2.00			2.00		3.142	6.284	
25			—	—			—		3.409	—	
26			2.00	4.00			6.00		3.687	22.122	
27			—	—			—		3.976	—	
28			—	2.00			2.00		4.276	8.552	
29			—				—		4.587	—	
30			2.00				2.00		4.909	9.818	
31											
32											
33											
34			2.00				2.00		6.305	12.610	
Subtotal		—	8.00	10.00			18.00			69.966	
Total		5.00	49.00	198.00			252.00			145.146	

*Includes Arizona, Apache & Chihuahua Pines

Form R3 2400-30
(Rev. 3/59)

Table 30

STAND TABLE - CUTOVER, VIRGIN
(Strike out one)

P2-X **Type**

Tonto **N.F.** Pleasant Valley **W.C.** **Based on** 2 **Plots**

Stems per acre by 1" Diameter Classes

D.B.H. Inches	PP* No.	BJ No.	DF No.	True Firs No.	S No.	LP No.	Softwood Species No.	A No.	B.A. Factor	Basal Area Sftwds.	Basal Area A
4	XXX	-					-		.087	-	
5	XXX	5.00					5.00		.136	0.68	
6	XXX	-					-		.196	-	
7	XXX	5.00					5.00		.267	1.34	
Subtotal	-	10.00					10.00			2.02	
8	XXX	-					-		.349	-	
9	XXX	30.00					30.00		.442	13.26	
10	XXX	5.00					5.00		.545	2.73	
11	XXX	-					-		.660	-	
Subtotal		35.00					35.00		-	15.99	
12							-		.785	-	
13	2.00						2.00		.922	1.84	
14	2.00						2.00		1.069	2.14	
15									1.227		
16									1.396		
17									1.576		
18									1.767		
19									1.969		
20									2.182		
Subtotal	4.00						4.00		-	3.98	
21									2.405		
22									2.640		
23									2.885		
24									3.142		
25									3.409		
26									3.687		
27									3.976		
28									4.276		
29									4.587		
30									4.909		
Subtotal	-	-					-		-	-	
Total	4.00	45.00					49.00		-	21.99	

*Includes Arizona, Apache & Chihuahua Pines

Form R3 2400-30
(Rev. 3/59)

Table 31

STAND TABLE - CUTOVER, VIRGIN
(Strike out one)

P1-X Type

Tonto N.F. Pleasant Valley W.C. Based on 1 Plots

Stems per acre by 1" Diameter Classes

D.B.H. Inches	PP* No.	BJ No.	DF No.	True Firs No.	S No.	LP No.	Softwood Species No.	A No.	B.A. Factor	Basal Area Sftwds.	A
4	XXX		—				—		.087	—	
5	XXX		10.00				10.00		.136	1.36	
6	XXX		-				-		.196	-	
7	XXX	30.00	-				30.00		.267	8.01	
Subtotal	—	30.00	10.00				40.00		—	9.37	
8	XXX	20.00					20.00		.349	6.98	
9	XXX	-					-		.442	-	
10	XXX	10.00					10.00		.545	5.45	
11	XXX	4.00					4.00		.660	3.04	
Subtotal		34.00					34.00		—	15.47	
12		-					-		.785	-	
13		4.00					4.00		.922	3.69	
14		4.00					4.00		1.069	4.28	
15		-					-		1.227	-	
16		4.00					4.00		1.396	5.58	
17		-					-		1.576	-	
18		4.00					4.00		1.767	7.07	
19		-					-		1.969	-	
20	4.00	-	4.00				8.00		2.182	17.46	
Subtotal	4.00	16.00	4.00				24.00		—	38.08	
21		4.00					4.00		2.405	9.62	
22									2.640		
23									2.885		
24									3.142		
25									3.409		
26									3.687		
27									3.976		
28									4.276		
29									4.587		
30									4.909		
Subtotal	-	4.00	-				4.00			9.62	
Total	4.00	84.00	14.00				102.00			72.54	

*Includes Arizona, Apache & Chihuahua Pines

Form R3 2400-30
(Rev. 3/59)

Table 32

STAND TABLE - CUTOVER, VIRGIN
(Strike out one)

NPJ Type

Tonto N.F. Pleasant Valley W.C. Based on 3 Plots

Stems per acre by 1" Diameter Classes

D.B.H. Inches	PP* No.	BJ No.	DF No.	True Firs No.	S No.	LP No.	Softwood Species No.	A No.	B.A. Factor	Basal Area Sftwds.	A
4	XXX								.087		
5	XXX								.136		
6	XXX								.196		
7	XXX								.267		
Subtotal	—								—		
8	XXX	3.33					3.33		.349	1.16	
9	XXX								.442		
10	XXX								.545		
11	XXX								.660		
Subtotal		3.33					3.33		—	1.16	
12		2.67					2.67		.785	2.10	
13									.922		
14									1.069		
15									1.227		
16									1.396		
17									1.576		
18									1.767		
19									1.969		
20									2.182		
Subtotal		2.67					2.67		—	2.10	
21									2.405		
22									2.640		
23									2.885		
24									3.142		
25									3.409		
26									3.687		
27									3.976		
28									4.276		
29									4.587		
30									4.909		
Subtotal	-	—					-			-	
Total	—	6.00					6.00			3.26	

*Includes Arizona, Apache & Chihuahua Pines

Form R3 2400-30
(Rev. 3/59)

Acreage and Net Volumes of Administrative Working Group

Table 33

Acres			Vol. Per Acre Factor			Total Vol. Adm. Working Group		
Inside Timber Zone	Outside Timber Zone	Timber Type	Total Cut	Total Leave	Grand Total	Total Cut	Total Leave	Grand Total
629	560	NPJ	-	113.33	113.33	-	71,285	71,285
889	376	P1-V	1065.45	1528.95	2594.40	947,185	1,359,237	2,306,422
720	125	P1-C	1052.17	2044.37	3096.54	757,562	1,471,946	2,229,508
55	75	P2=C	1470.00	3568.89	5038.89	80,850	196,289	277,139
69	400	MC1-V	1132.00	3382.00	4514.00	78,108	233,358	311,466
-	460	-	-	-	-	-	-	-
2362	1996		Sub-Total Operable -			1,863,705	3,260,830	5,124,535
			Scribner Net Totals -			1,863,705	3,332,115	5,195,820
629	560	NPJ	-	130.00	130.00	-	81,770	81,770
889	376	P1-V	1225.26	1758.29	2983.55	1,089,256	1,563,120	2,652,376
720	125	P1-C	1210.99	2351.03	3562.02	871,913	1,692,742	2,564,655
55	75	P2=C	1690.50	3645.79	5794.83	92,977	200,518	293,495
69	400	MC1-V	1301.80	3889.30	5191.10	89,824	268,362	358,186
-	460	-	-	-	-	-	-	-
2362	1996					2,143,970	3,724,742	5,868,712
			International $\frac{1}{4}$" Net Totals -			2,143,970	3,806,512	5,950,482
629	560	NPJ	-	31.87	31.87	-	20,046	20,046
889	376	P1-V	211.56	468.96	680.52	188,077	416,905	604,982
720	125	P1-C	229.42	567.78	797.20	145,182	408,802	573,984
55	75	P2=C	218.32	934.83	1153.15	12,008	51,416	63,424
69	400	MC1-V	707.41	1575.69	2283.10	48,811	108,723	157,534
-	460	-	-	-	-	-	-	-
2362	1996					414,078	985,846	1,399,924
			Cu. Ft. 5" & Over Net Totals -			414,078	1,005,892	1,419,970
629	560	NPJ	-	9.09	9.09	-	5,718	5,718
889	376	P1-V	40.97	184.14	225.11	36,422	163,700	200,122
720	125	P1-C	54.65	199.79	254.44	39,348	143,849	183,197
55	75	P2=C	46.97	317.48	364.45	2,583	17,462	20,045
69	400	MC1-V	356.64	611.74	968.38	24,608	42,210	66,818
-	460	-	-	-	-	-	-	-
2362	1996					102,961	367,221	470,182
			Cu. Ft. 5" to 11.5" Net Totals -			102,961	372,939	475,900

Acreage and Net Volumes of Noncommercial Timbered Areas

Table 34

Acres				Factor Vol. Per Acre			Total Vol. on Area		
Sierra Ancha Wild Area	Sierra Ancha Exp. Forest	Payson District Pleasant Valley Working Circle	Timber Type	Total Cut	Total Leave	Grand Total	Total Cut	Total Leave	Grand Total
	2200		MCl=V	6410.00	1339.00	7749.00	14,102,000	2,945,800	17,047,800
1500			Pl=V	2380.00	5886.00	8266.00	3,570,000	8,829,000	12,399,000
260			MCl=V	6410.00	1339.00	7749.00	1,666,600	348,140	2,014,740
		2500	NPJ	-	113.33	113.33	-	283,325	283,325
				Total Scribner Net -			19,338,600	12,406,265	31,744,865
	2200		MCl=V	7371.50	1539.85	8911.35	16,217,300	3,387,670	19,604,970
1500			Pl=V	2833.60	6999.36	9832.96	4,250,400	10,499,040	14,749,440
260			MCl=V	7371.50	1539.85	8911.35	1,916,590	400,361	2,316,951
		2500	NPJ	-	130.00	130.00	-	325,000	325,000
				Total International Net -			22,384,290	14,612,071	36,996,361
	2200		MCl=V	1640.58	621.81	2262.39	3,609,276	1,367,982	4,977,258
1500			Pl=V	410.30	1366.30	1776.60	615,450	2,049,450	2,664,900
260			MCl=V	1640.58	621.81	2262.39	426,551	161,670	588,221
		2500	NPJ	-	31.87	31.87	-	97,675	97,675
				Cu. Ft. 5" & Over Net -			4,651,277	3,676,777	8,328,054
	2200		MCl=V	147.40	356.59	503.99	324,280	784,498	1,108,778
1500			Pl=V	-	368.61	368.61	-	516,054	516,054
260			MCl=V	147.40	356.59	503.99	38,324	92,713	131,037
		2500	NPJ	-	9.09	9.09	-	22,725	22,725
				Cu. Ft. 5" to 11.5" Net -			362,604	1,415,990	1,778,594

Summary Table for - Scribner - Sawtimber - 11.6" D.B.H. & Over

Gross Volumes

Per Acre

Table 35

No. of Plots	Forest Type	Ponderosa Pine									Douglas-fir			White fir			Total Cut	Total Leave	Grand Total	Acres
		Yellow Pine			Blackjack			Pine Subtotal												
		Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total				
6	P1OV, P1OC, P1OX	33.00	-	33.00	34.00	500.00	534.00	67.00	500.00	567.00	-	-	-	-	-	-	67.00	500.00	567.00	228
0	MC1OV (Use P1OV)	33.00	-	33.00	34.00	500.00	534.00	67.00	500.00	567.00	-	-	-	-	-	-	67.00	500.00	567.00	80
1	P3=V	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,814
0	P3=X (Use P3=V)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	160
3	P2=C, P2-C	1,960.00	4,227.00	6,187.00	-	453.00	453.00	1,960.00	4,680.00	6,640.00	-	-	-	-	-	-	1,960.00	4,680.00	6,640.00	15,142
17	P2-V	176.00	-	176.00	33.00	412.00	445.00	209.00	412.00	621.00	-	-	-	-	-	-	209.00	412.00	621.00	13,388
2	P2=V	640.00	-	640.00	-	100.00	100.00	640.00	100.00	740.00	-	-	-	-	-	-	640.00	100.00	740.00	3,640
2	P2-X	-	240.00	240.00	-	-	-	-	240.00	240.00	-	-	-	-	-	-	-	240.00	240.00	1,622
64	P1-C, P1=C	1,181.00	1,607.00	2,788.00	174.00	944.00	1,118.00	1,355.00	2,551.00	3,906.00	19.00	12.00	31.00	-	-	-	1,374.00	2,563.00	3,937.00	15,647
104	P1-V	1,149.00	639.00	1,788.00	191.00	1,241.00	1,432.00	1,340.00	1,880.00	3,220.00	152.00	32.00	184.00	-	12.00	12.00	1,492.00	1,924.00	3,416.00	37,210
1	P1=V	-	-	-	2,800.00	6,680.00	9,480.00	2,800.00	6,680.00	9,480.00	-	320.00	320.00	-	-	-	2,800.00	7,000.00	9,800.00	5,300
1	P1-X	-	1,120.00	1,120.00	1,000.00	1,600.00	2,600.00	1,000.00	2,720.00	3,720.00	520.00	-	520.00	-	-	-	1,520.00	2,720.00	4,240.00	3,371
1	MC1-V	-	-	-	-	-	-	-	-	-	480.00	1,480.00	1,960.00	1,640.00	4,840.00	6,480.00	2,120.00	6,320.00	8,440.00	80
2	MC1=V	-	-	-	-	-	-	-	-	-	5,000.00	1,460.00	6,460.00	6,320.00	780.00	7,100.00	11,320.00	2,240.00	13,560.00	458
0	MC1=X (Use MC1=V)	-	-	-	-	-	-	-	-	-	5,000.00	1,460.00	6,460.00	6,320.00	780.00	7,100.00	11,320.00	2,240.00	13,560.00	237
3	NPJ	-	-	-	-	133.33	133.33	-	133.33	133.33	-	-	-	-	-	-	-	133.33	133.33	19,551
207																				121,928

Summary Table for International ¼" Sawtimber

Gross Volumes

Per Acre

(Use Scribner Sawtimber)
(X Factor of 1.15)

Table 36

No. of Plots	Forest Type	Ponderosa Pine									Douglas-fir			White fir			Total Cut	Total Leave	Grand Total	Acres
		Yellow Pine			Blackjack			Pine Subtotal												
		Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total				
6	P1OV, P1OC, P1OX	37.95	-	37.95	39.10	575.00	614.10	77.05	575.00	652.05	-	-	-	-	-	-	77.05	575.00	652.05	228
0	MC1OV (Use P1OV)	37.95	-	37.95	39.10	575.00	614.10	77.05	575.00	652.05	-	-	-	-	-	-	77.05	575.00	652.05	80
1	P3=V	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,814
0	P3=X (Use P3=V)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	160
3	P2=C, P2-C	2,254.00	4,861.05	7,115.05	-	520.95	520.95	2,254.00	5,382.00	7,636.00	-	-	-	-	-	-	2,254.00	5,382.00	7,636.00	15,142
17	P2-V	202.40	-	202.40	37.95	473.80	511.75	240.35	473.80	714.15	-	-	-	-	-	-	240.35	473.80	714.15	13,388
2	P2=V	736.00	-	736.00	-	115.00	115.00	736.00	115.00	851.00	-	-	-	-	-	-	736.00	115.00	851.00	3,640
2	P2-X	-	276.00	276.00	-	-	-	-	276.00	276.00	-	-	-	-	-	-	-	276.00	276.00	1,622
64	P1-C, P1=C	1,358.15	1,848.05	3,206.20	200.10	1,085.60	1,285.70	1,558.25	2,933.65	4,491.90	21.85	13.80	35.65	-	-	-	1,580.10	2,947.45	4,527.55	15,647
104	P1-V	1,321.35	734.85	2,056.20	219.65	1,427.15	1,646.80	1,541.00	2,162.00	3,703.00	174.80	36.80	211.60	-	13.80	13.80	1,715.80	2,212.60	3,928.40	37,210
1	P1=V	-	-	-	3,220.00	7,682.00	10,902.00	3,220.00	7,682.00	10,902.00	-	368.00	368.00	-	-	-	3,220.00	8,050.00	11,270.00	5,300
1	P1-X	-	1,288.00	1,288.00	1,150.00	1,840.00	2,990.00	1,150.00	3,128.00	4,278.00	598.00	-	598.00	-	-	-	1,748.00	3,128.00	4,876.00	3,371
1	MC1-V	-	-	-	-	-	-	-	-	-	552.00	1,702.00	2,254.00	1,886.00	5,566.00	7,452.00	2,438.00	7,268.00	9,706.00	80
2	MC1=V	-	-	-	-	-	-	-	-	-	5,750.00	1,679.00	7,429.00	7,268.00	897.00	8,165.00	13,018.00	2,576.00	15,594.00	458
0	MC1=X (Use MC1=V)	-	-	-	-	-	-	-	-	-	5,750.00	1,679.00	7,429.00	7,268.00	897.00	8,165.00	13,018.00	2,576.00	15,594.00	237
3	NPJ	-	-	-	-	152.95	152.95	-	152.95	152.95	-	-	-	-	-	-	-	152.95	152.95	19,551
207																				121,928

Summary Table for Cubic Feet - 5.0" Through 11.5" D.B.H.

Gross Volumes

Per Acre

Table 37

No. of Plots	Forest Type	Ponderosa Pine									Douglas-fir			White fir			Total Cut	Total Leave	Grand Total	Acres
		Yellow Pine			Blackjack			Pine Subtotal												
		Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total				
6	P1OV, P1OC, P1OX	-	-	-	10.11	17.95	28.07	10.11	17.95	28.07	-	-	-	-	-	-	10.11	17.95	28.07	228
0	MC1OV (Use P1OV)	-	-	-	10.11	17.95	28.07	10.11	17.95	28.07	-	-	-	-	-	-	10.11	17.95	28.07	80
1	P3=V	-	-	-	10.30	-	10.30	10.30	-	10.30	-	-	-	-	-	-	10.30	-	10.30	5,814
0	P3=X (Use P3=V)	-	-	-	10.30	-	10.30	10.30	-	10.30	-	-	-	-	-	-	10.30	-	10.30	160
3	P2=C, P2-C	-	-	-	53.37	360.77	414.13	53.37	360.77	414.13	-	-	-	-	-	-	53.37	360.76	414.13	15,142
17	P2-V	-	-	-	24.35	199.47	223.82	24.35	199.47	223.82	-	-	-	-	-	-	24.35	199.47	223.82	13,388
2	P2=V	-	-	-	118.15	620.45	738.60	118.15	620.45	738.60	-	-	-	-	-	-	118.15	620.45	738.60	3,640
2	P2-X	-	-	-	29.95	161.25	191.20	29.95	161.25	191.20	-	-	-	-	-	-	29.95	161.25	191.20	1,622
64	P1-C, P1=C	-	-	-	62.10	218.27	280.37	62.10	218.27	280.37	-	10.79	10.79	-	.25	.25	62.10	229.31	291.41	15,647
104	P1-V	-	-	-	47.82	209.72	257.54	47.82	209.72	257.54	.37	6.59	6.96	.16	3.21	3.37	48.35	219.52	267.87	37,210
1	P1=V	-	-	-	-	174.20	174.20	-	174.20	174.20	-	339.30	339.30	-	-	-	-	513.50	513.50	5,300
1	P1-X	-	-	-	64.70	188.80	253.50	64.70	188.80	253.50	-	15.80	15.80	-	-	-	64.70	204.60	269.30	3,371
1	MC1-V	-	-	-	-	-	-	-	-	-	93.40	262.60	356.00	591.87	882.10	1,473.97	685.27	1,144.70	1,829.97	80
2	MC1=V	-	-	-	11.95	-	11.95	11.95	-	11.95	68.50	73.96	142.46	185.45	617.05	802.50	265.90	691.01	956.91	458
0	MC1=X (Use MC1=V)	-	-	-	11.95	-	11.95	11.95	-	11.95	68.50	73.96	142.46	185.45	617.05	802.50	265.90	691.01	956.91	237
3	NPJ	-	-	-	-	10.70	10.70	-	10.70	10.70	-	-	-	-	-	-	-	10.70	10.70	19,551
207																				121,928

Summary Table for Cubic Feet - All Sizes (5" and Over)

Gross Volumes

Per Acre

Table 38

No. of Plots	Forest Type	Ponderosa Pine									Douglas-fir			White fir			Total Cut	Total Leave	Grand Total	Acres
		Yellow Pine			Blackjack			Pine Subtotal												
		Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total				
6	P1OV (P1OC, P1OX)	6.22	-	6.22	19.98	118.28	138.26	26.20	118.28	144.48	-	-	-	-	-	-	26.20	118.28	144.48	228
0	MC1OV (Use P1OV)	6.22	-	6.22	19.98	118.28	138.26	26.20	118.28	144.48	-	-	-	-	-	-	26.20	118.28	144.48	80
1	P3=V	-	-	-	10.30	-	10.30	10.30	-	10.30	-	-	-	-	-	-	10.30	-	10.30	5,814
0	P3=X (Use P3=V)	-	-	-	10.30	-	10.30	10.30	-	10.30	-	-	-	-	-	-	10.30	-	10.30	160
3	P2=C (P2-C)	312.47	705.66	1,018.13	53.37	460.90	514.27	365.84	1,166.56	1,532.40	-	-	-	-	-	-	365.84	1,166.56	1,532.40	15,142
17	P2-V	27.34	-	27.34	32.42	248.87	281.29	59.77	284.86	344.63	-	-	-	-	-	-	59.77	284.86	344.63	13,388
2	P2=V	94.35	-	94.35	118.15	654.48	772.63	212.50	654.48	866.98	-	-	-	-	-	-	212.50	654.48	866.98	3,640
2	P2-X	-	54.43	54.43	53.70	161.25	214.95	53.70	215.68	269.38	-	-	-	-	-	-	53.70	215.68	269.38	1,622
64	P1-C (P1=C)	176.08	270.92	447.00	97.73	399.50	497.23	273.81	670.42	944.23	16.23	18.38	34.61	-	.25	.25	290.04	689.05	979.09	15,647
104	P1-V	178.65	127.20	305.85	83.69	437.40	521.09	262.34	564.60	826.94	23.64	12.38	36.02	.16	6.56	6.72	286.13	583.55	869.68	37,210
1	P1=V	-	-	-	482.71	1,298.55	1,781.26	482.71	1,298.55	1,781.26	-	403.89	403.89	-	-	-	482.71	1,702.44	2,185.15	5,300
1	P1-X	-	218.81	218.81	242.53	488.81	731.34	242.53	707.62	950.15	163.32	15.80	179.12	-	-	-	405.85	723.42	1,129.27	3,371
1	MC1-V	-	-	-	-	-	-	-	-	-	234.52	672.01	906.53	1,109.95	2,277.76	3,387.71	1,344.47	2,949.77	4,294.24	80
2	MC1=V	-	-	-	11.95	-	11.95	11.95	-	11.95	1,217.84	377.34	1,595.18	1,677.64	753.09	2,430.73	2,907.43	1,130.43	4,037.86	458
0	MC1=X (Use MC1=V)	-	-	-	11.95	-	11.95	11.95	-	11.95	1,217.84	377.34	1,595.18	1,677.64	753.09	2,430.73	2,907.43	1,130.43	4,037.86	237
3	NPJ	-	-	-	-	37.49	37.49	-	37.49	37.49	-	-	-	-	-	-	-	37.49	37.49	19,551
207																				121,928

Summary Table for Cubic Feet - 11.6" and Over

Gross Volumes

Per Acre

Table 39

No. of Plots	Forest Type	Ponderosa Pine									Douglas-fir			White fir			Total Cut	Total Leave	Grand Total	Acres
		Yellow Pine			Blackjack			Pine Subtotal												
		Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total				
6	P10V (P10C, P10X)	6.22	-	6.22	9.87	100.33	110.19	16.09	100.33	116.42	-	-	-	-	-	-	16.09	100.33	116.42	228
0	MC10V (Use P10V)	6.22	-	6.22	9.87	100.33	110.19	16.09	100.33	116.42	-	-	-	-	-	-	16.09	100.33	116.42	80
1	P3=V	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,814
0	P3=X (Use P3=V)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	160
3	P2=C (P2-C)	312.47	705.66	1,018.13	-	100.13	100.13	312.47	805.79	1,118.26	-	-	-	-	-	-	312.47	805.79	1,118.26	15,142
17	P2-V	27.34	-	27.34	8.07	49.40	57.47	35.41	49.40	84.81	-	-	-	-	-	-	35.41	49.40	84.81	13,383
2	P2=V	94.35	-	94.35	-	34.03	34.03	94.35	34.03	128.38	-	-	-	-	-	-	94.35	34.03	128.38	3,640
2	P2-X	-	54.43	54.43	23.75	-	23.75	23.75	54.43	78.18	-	-	-	-	-	-	23.75	54.43	78.18	1,622
64	P1-C (P1=C)	176.08	270.92	447.00	35.63	181.23	216.86	211.71	452.15	663.86	16.23	7.59	23.82	-	-	-	227.94	459.74	687.68	15,647
104	P1-V	178.65	127.20	305.85	35.87	227.68	263.55	214.52	354.88	569.40	23.27	5.79	29.06	-	3.35	3.35	237.79	364.02	601.81	37,210
1	P1=V	-	-	-	482.71	1,124.35	1,607.06	482.71	1,124.35	1,607.06	-	64.59	64.59	-	-	-	482.71	1,188.94	1,671.65	5,300
1	P1-X	-	218.81	218.81	177.83	300.01	477.84	177.83	518.82	696.65	163.32	-	163.32	-	-	-	341.15	518.82	859.97	3,371
1	MC1-V	-	-	-	-	-	-	-	-	-	141.12	409.41	550.53	518.08	1,395.66	1,913.74	659.20	1,805.07	2,464.27	80
2	MC1=V	-	-	-	-	-	-	-	-	-	1,149.34	303.38	1,452.72	1,492.19	136.04	1,628.23	2,641.53	439.42	3,080.95	458
0	MC1=X (Use MC1=V)	-	-	-	-	-	-	-	-	-	1,149.34	303.38	1,452.72	1,492.19	136.04	1,628.23	2,641.53	439.42	3,080.95	237
3	NPJ	-	-	-	-	26.79	26.79	-	26.79	26.79	-	-	-	-	-	-	-	26.79	26.79	19,551
207																				121,928

Summary Table for Scribner Sawtimber

Net Volumes

Per Acre

Table 40

No. of Plots	Forest Type	Ponderosa Pine									Douglas-fir			White fir			Total Cut	Total Leave	Grand Total	Acres
		Yellow Pine			Blackjack			Pine Subtotal												
		Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total				
6	P1OV, P1OC, P1OX	23.10	-	23.10	28.90	425.00	453.90	52.00	425.00	477.00	-	-	-	-	-	-	52.00	425.00	477.00	228
0	MC1OV (Use P1OV)	23.10	-	23.10	28.90	425.00	453.90	52.00	425.00	477.00	-	-	-	-	-	-	52.00	425.00	477.00	80
1	P3=V	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,814
0	P3=X (Use P3=V)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	160
3	P2=C, P2-C	1,470.00	3,170.25	4,640.25	-	398.64	398.64	1,470.00	3,568.89	5,038.89	-	-	-	-	-	-	1,470.00	3,568.89	5,038.89	15,142
17	P2-V	123.20	-	123.20	28.05	350.20	378.25	151.25	350.20	501.45	-	-	-	-	-	-	151.25	350.20	501.45	13,388
2	P2=V	448.00	-	448.00	-	85.00	85.00	448.00	85.00	533.00	-	-	-	-	-	-	448.00	85.00	533.00	3,640
2	P2-X	-	168.00	168.00	-	-	-	-	168.00	168.00	-	-	-	-	-	-	-	168.00	168.00	1,622
64	P1-C, P1=C	885.75	1,205.25	2,091.00	153.12	830.72	983.84	1,038.87	2,035.97	3,074.84	13.30	8.40	21.70	-	-	-	1,052.17	2,044.37	3,096.54	15,647
104	P1-V	804.30	447.30	1,251.60	162.35	1,054.85	1,217.20	966.65	1,502.15	2,468.80	98.80	20.80	119.60	-	6.00	6.00	1,065.45	1,528.95	2,594.40	37,210
1	P1=V	-	-	-	2,380.00	5,678.00	8,058.00	2,380.00	5,678.00	8,058.00	-	208.00	208.00	-	-	-	2,380.00	5,886.00	8,266.00	5,300
1	P1-X	-	784.00	784.00	850.00	1,360.00	2,210.00	850.00	2,144.00	2,994.00	338.00	-	338.00	-	-	-	1,188.00	2,144.00	3,332.00	3,371
1	MC1-V	-	-	-	-	-	-	-	-	-	312.00	962.00	1,274.00	820.00	2,420.00	3,240.00	1,132.00	3,382.00	4,514.00	80
2	MC1=V	-	-	-	-	-	-	-	-	-	3,250.00	949.00	4,199.00	3,160.00	390.00	3,550.00	6,410.00	1,339.00	7,749.00	453
0	MC1=X (Use MC1=V)	-	-	-	-	-	-	-	-	-	3,250.00	949.00	4,199.00	3,160.00	390.00	3,550.00	6,410.00	1,339.00	7,749.00	237
3	NPJ	-	-	-	-	113.33	113.33	-	113.33	113.33	-	-	-	-	-	-	-	113.33	113.33	19,551
207																				121,928

Summary Table for International ¼" Bd. Ft.

Net Volumes

Per Acre

(Use % of Gross Vol.)

Table 41

No. of Plots	Forest Type	Ponderosa Pine									Douglas-fir			White fir			Total Cut	Total Leave	Grand Total	Acres
		Yellow Pine			Blackjack			Pine Subtotal												
		Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total				
6	P1OV, P1OC, P1OX	26.56	-	26.56	33.23	488.75	521.98	59.79	488.75	548.54	-	-	-	-	-	-	59.79	488.75	548.54	228
0	MC1OV (Use P1OV)	26.56	-	26.56	33.23	488.75	521.98	59.79	488.75	548.54	-	-	-	-	-	-	59.79	488.75	548.54	80
1	P3=V	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,814
0	P3=X (Use P3=V)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	160
3	P2=C, P2-C	1,690.50	3,645.79	5,336.39	-	458.44	458.44	1,690.50	3,645.79	5,794.83	-	-	-	-	-	-	1,690.50	3,645.79	5,794.83	15,142
17	P2-V	141.68	-	141.68	32.26	402.73	434.99	173.94	402.73	576.67	-	-	-	-	-	-	173.94	402.73	576.67	13,388
2	P2=V	515.20	-	515.20	-	97.75	97.75	515.20	97.75	612.95	-	-	-	-	-	-	515.20	97.75	612.95	3,640
2	P2-X	-	193.20	193.20	-	-	-	-	193.20	193.20	-	-	-	-	-	-	-	193.20	193.20	1,622
64	P1-C, P1=C	1,018.61	1,386.04	2,404.65	176.09	955.33	1,131.42	1,195.70	2,341.37	3,536.07	15.29	9.66	25.95	-	-	-	1,210.99	2,351.03	3,562.02	15,647
104	P1-V	924.94	514.39	1,439.33	186.70	1,213.08	1,399.78	1,111.64	1,727.47	2,839.11	113.62	23.92	137.54	-	6.90	6.90	1,225.26	1,758.29	2,983.55	37,210
1	P1=V	-	-	-	2,833.60	6,760.16	9,593.76	2,833.60	6,760.16	9,593.76	-	239.20	239.20	-	-	-	2,833.60	6,999.36	9,832.96	5,300
1	P1-X	-	901.60	901.60	977.50	1,564.00	2,541.50	977.50	2,465.60	3,443.10	388.70	-	388.70	-	-	-	1,366.20	2,465.60	3,831.80	3,371
1	MC1-V	-	-	-	-	-	-	-	-	-	358.80	1,106.30	1,465.10	943.00	2,783.00	3,726.00	1,301.80	3,889.30	5,191.10	80
2	MC1=V	-	-	-	-	-	-	-	-	-	3,737.50	1,091.35	4,828.85	3,634.00	448.50	4,082.50	7,371.50	1,539.85	8,911.35	458
0	MC1=X (Use MC1=V)	-	-	-	-	-	-	-	-	-	3,737.50	1,091.35	4,828.85	3,634.00	448.50	4,082.50	7,371.50	1,539.85	8,911.35	237
3	NPJ	-	-	-	-	130.00	130.00	-	130.00	130.00	-	-	-	-	-	-	-	130.00	130.00	19,551
207																				121,928

Summary Table for Cubic Feet 5.0" Through 11.5" D.B.H.

Net Volumes Per Acre

Table 42

No. of Plots	Forest Type	Ponderosa Pine									Douglas-fir			White fir			Total Cut	Total Leave	Grand Total	Acres
		Yellow Pine			Blackjack			Pine Subtotal												
		Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total				
6	P1OV, P1OC, P1OX	-	-	-	8.59	15.26	23.85	8.59	15.26	23.85	-	-	-	-	-	-	8.59	15.26	23.85	228
0	MC1OV (Use P1OV)	-	-	-	8.59	15.26	23.85	8.59	15.26	23.85	-	-	-	-	-	-	8.59	15.26	23.85	80
1	P3=V	-	-	-	8.75	-	8.75	8.75	-	8.75	-	-	-	-	-	-	8.75	-	8.75	5,814
0	P3=X (Use P3=V)	-	-	-	8.75	-	8.75	8.75	-	8.75	-	-	-	-	-	-	8.75	-	8.75	160
3	P2=C, P2-C	-	-	-	46.97	317.48	364.45	46.97	317.48	364.45	-	-	-	-	-	-	46.97	317.48	364.45	15,142
17	P2-V	-	-	-	20.70	169.55	180.25	20.70	169.55	180.25	-	-	-	-	-	-	20.70	169.55	180.25	13,388
2	P2=V	-	-	-	100.43	527.38	627.81	100.43	527.38	627.81	-	-	-	-	-	-	100.43	527.38	627.81	3,640
2	P2-X	-	-	-	25.46	137.06	162.52	25.46	137.06	162.52	-	-	-	-	-	-	25.46	137.06	162.52	1,622
64	P1-C, P1=C	-	-	-	54.65	192.08	246.73	54.65	192.08	246.73	-	7.55	7.55	-	.16	.16	54.65	199.79	254.44	15,647
104	P1-V	-	-	-	40.65	178.26	218.91	40.65	178.26	218.91	.24	4.28	4.52	.08	1.60	1.68	40.97	184.14	225.11	37,210
1	P1=V	-	-	-	-	148.07	148.07	-	148.07	148.07	-	220.54	220.54	-	-	-	-	368.61	368.61	5,300
1	P1-X	-	-	-	54.99	160.48	215.47	54.99	160.48	215.47	-	10.27	10.27	-	-	-	54.99	170.75	225.74	3,371
1	MC1-V	-	-	-	-	-	-	-	-	-	60.71	170.69	231.40	295.93	441.05	736.98	356.64	611.74	968.38	80
2	MC1=V	-	-	-	10.16	-	10.16	10.16	-	10.16	44.52	48.07	92.59	92.72	308.52	401.24	147.40	356.59	503.99	458
0	MC1=X (Use MC1=V)	-	-	-	10.16	-	10.16	10.16	-	10.16	44.52	48.07	92.59	92.72	308.52	401.24	147.40	356.59	503.99	237
3	NPJ	-	-	-	-	9.09	9.09	-	9.09	9.09	-	-	-	-	-	-	-	9.09	9.09	19,551
207																				121,928

Summary Table for Cubic Feet 5" and Over D.B.H.

Net Volumes Per Acre

Table 43

No. of Plots	Forest Type	Ponderosa Pine									Douglas-fir			White fir			Total Cut	Total Leave	Grand Total	Acres
		Yellow Pine			Blackjack			Pine Subtotal												
		Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total				
6	P1OV, P1OC, P1OX	43.54	-	43.54	16.98	100.54	117.52	60.52	100.54	161.06	-	-	-	-	-	-	60.52	100.54	161.06	228
0	MC1OV (Use P1OV)	43.54	-	43.54	16.98	100.54	117.52	60.52	100.54	161.06	-	-	-	-	-	-	60.52	100.54	161.06	80
1	P3=V	-	-	-	8.75	-	8.75	8.75	-	8.75	-	-	-	-	-	-	8.75	-	8.75	5,814
0	P3=X (Use P3=V)	-	-	-	8.75	-	8.75	8.75	-	8.75	-	-	-	-	-	-	8.75	-	8.75	160
3	P2=C, P2-C	234.35	529.24	763.59	46.97	405.59	452.56	281.32	934.83	1,216.15	-	-	-	-	-	-	218.32	934.83	1,216.15	15,142
17	P2-V	19.14	-	19.14	27.56	211.54	239.10	46.70	211.54	258.24	-	-	-	-	-	-	46.70	211.54	258.24	13,388
2	P2=V	66.04	-	66.04	100.47	540.93	641.40	166.51	540.93	707.44	-	-	-	-	-	-	166.51	540.93	707.44	3,640
2	P2-X	-	38.01	38.01	45.64	137.06	182.70	45.64	175.07	220.71	-	-	-	-	-	-	45.64	175.07	220.71	1,622
64	P1-C, P1=C	132.06	203.19	335.25	86.00	351.56	437.56	218.06	554.75	772.81	11.36	12.86	24.22	-	.17	.17	229.42	567.78	797.20	15,647
104	P1-V	125.05	89.04	214.09	71.14	371.79	442.93	196.19	460.83	657.02	15.37	8.05	23.42	-	.08	.08	211.56	468.96	680.52	37,210
1	P1=V	-	-	-	410.30	1,103.77	1,514.07	410.30	1,103.77	1,514.07	-	262.53	262.53	-	-	-	410.30	1,366.30	1,776.60	5,300
1	P1-X	-	153.17	153.17	206.15	415.49	621.64	206.15	568.66	774.81	106.16	10.27	116.43	-	-	-	312.31	578.93	891.24	3,371
1	MC1-V	-	-	-	-	-	-	-	-	-	152.44	436.81	589.25	554.97	1,138.88	1,693.85	707.41	1,575.69	2,283.10	80
2	MC1=V	-	-	-	10.16	-	10.16	10.16	-	10.16	791.60	245.27	1,036.87	838.82	376.54	1,215.36	1,640.58	621.81	2,262.39	458
0	MC1=X (Use MC1=V)	-	-	-	10.16	-	10.16	10.16	-	10.16	791.60	245.27	1,036.87	838.82	376.54	1,215.36	1,640.58	621.81	2,262.39	237
3	NPJ	-	-	-	-	31.87	31.87	-	31.87	31.87	-	-	-	-	-	-	-	31.87	31.87	19,551
																				121,928

207

Summary Table for Cubic Feet 11.6" and Over D.B.H.

Net Volumes Per Acre

Table 44

No. of Plots	Forest Type	Ponderosa Pine									Douglas-fir			White fir			Total Cut	Total Leave	Grand Total	Acres
		Yellow Pine			Blackjack			Pine Subtotal												
		Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total				
6	P1OV, P1OC, P1OX	4.35	-	4.35	8.39	85.28	93.67	12.74	85.28	98.02	-	-	-	-	-	-	12.74	85.28	98.02	228
0	MC1OV (Use P1OV)	4.35	-	4.35	8.39	85.28	93.67	12.74	85.28	98.02	-	-	-	-	-	-	12.74	85.28	98.02	80
1	P3=V	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,814
0	P3=X (Use P3=V)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	160
3	P2=C, P2-C	234.35	529.25	763.60	-	88.11	88.11	234.35	617.36	851.71	-	-	-	-	-	-	234.35	617.36	851.71	15,142
17	P2-V	19.14	-	19.14	6.86	41.99	48.85	26.00	41.99	67.99	-	-	-	-	-	-	26.00	41.99	67.99	13,388
2	P2=V	66.04	-	66.04	-	28.92	28.92	66.04	28.92	94.96	-	-	-	-	-	-	66.04	28.92	94.96	3,640
2	P2-X	-	38.01	38.01	20.19	-	20.19	20.19	38.01	58.20	-	-	-	-	-	-	20.19	38.01	58.20	1,622
64	P1-C, P1=C	132.06	203.19	335.25	31.35	159.48	190.83	163.41	362.67	526.08	11.36	5.31	16.67	-	-	-	174.77	367.98	542.75	15,647
104	P1-V	125.05	89.04	214.09	30.49	193.53	224.02	155.54	282.57	438.11	15.12	3.76	18.88	-	1.67	1.67	170.66	286.33	456.99	37,210
1	P1=V	-	-	-	410.30	955.70	1,366.00	410.30	955.70	1,366.00	-	41.98	41.98	-	-	-	410.30	997.68	1,407.98	5,300
1	P1-X	-	153.17	153.17	151.16	255.01	406.17	151.16	408.18	559.34	106.16	-	106.16	-	-	-	257.32	408.18	665.50	3,371
1	MC1-V	-	-	-	-	-	-	-	-	-	91.73	266.12	357.85	259.04	697.83	956.87	350.77	963.95	1,314.72	80
2	MC1=V	-	-	-	-	-	-	-	-	-	747.07	197.20	944.27	746.09	68.02	814.11	1,493.16	265.22	1,758.38	458
0	MC1=X (Use MC1=V)	-	-	-	-	-	-	-	-	-	747.07	197.20	944.27	746.09	68.02	814.11	1,493.16	265.22	1,758.38	237
3	NPJ	-	-	-	-	22.77	22.77	-	22.77	22.77	-	-	-	-	-	-	-	22.77	22.77	19,551
207																				121,928

Working Circle Totals

Sawtimber Scribner

Net Volumes

Table 45

No. of Plots	Acres	Forest Type	Ponderosa Pine									Douglas-fir			White fir			Total Cut	Total Leave	Grand Total
			Yellow Pine			Blackjack			Pine Subtotal											
			Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total			
6	228	F1OV (F1OC F1OX)	5,267	-	5,267	6,589	96,900	103,489	11,856	96,900	108,756	-	-	-	-	-	-	11,856	96,900	108,756
0	80	MC1OV (Use F1OV)	1,848 7,115	- -	1,848 7,115	2,312 8,901	34,000 130,900	36,312 139,801	4,160 16,016	34,000 130,900	38,160 146,916	- -	- -	- -	- -	- -	- -	4,160 16,016	34,000 130,900	38,160 146,916
1	5,814	P3=V	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0	160	P3=X (Use P3=V)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	15,142	P2-C (P2=C)	22,258,740	48,003,925	70,262,665	-	6,036,207	6,036,207	22,258,740	54,040,132	76,298,872	-	-	-	-	-	-	22,258,740	54,040,132	76,298,872
17	13,388	P2-V	1,649,402	-	1,649,402	375,533	4,688,478	5,064,011	2,024,935	4,688,478	6,713,413	-	-	-	-	-	-	2,024,935	4,688,478	6,713,413
2	3,640 17,028	P2=V	1,630,720 3,280,122 25,538,862	- - 48,003,925	1,630,720 3,280,122 73,542,787	- 375,533 375,533	309,400 4,997,878 11,034,085	309,400 5,373,411 11,409,618	1,630,720 3,655,655 25,914,395	309,400 4,997,878 59,038,010	1,940,120 8,653,533 84,952,405	- - -	- - -	- - -	- - -	- - -	- - -	1,630,720 3,655,655 25,914,395	309,400 4,997,878 59,038,010	1,940,120 8,653,533 84,952,405
2	1,622	P2-X	- 25,538,862	272,496 48,276,421	272,496 73,815,283	- 375,533	- 11,034,085	- 11,409,618	- 25,914,395	272,496 59,310,506	272,496 85,224,901	- -	- -	- -	- -	- -	- -	- 25,914,395	272,496 59,310,506	272,496 85,224,901
64	15,647	F1-C (F1=C)	13,859,330	18,858,547	32,717,877	2,395,869	12,998,276	15,394,145	16,255,199	31,856,823	48,112,022	208,105	131,435	339,540	-	-	-	16,463,304	31,988,258	48,451,562
104	37,210	F1-V	29,928,003	16,644,033	46,572,036	6,041,043	39,250,968	45,292,011	35,969,046	55,895,001	91,864,047	3,676,348	773,968	4,450,316	-	223,260	223,260	39,645,394	56,892,229	96,537,623
1	5,300 42,510	F1=V	- 29,928,003 43,787,333	- 16,644,033 35,502,580	- 46,572,036 79,289,913	12,614,000 18,655,043 21,050,912	30,093,400 69,344,368 82,342,644	42,707,400 87,999,411 103,393,556	12,614,000 48,583,046 64,838,245	30,093,400 85,988,401 117,845,224	42,707,400 134,571,447 182,683,469	- 3,676,348 3,884,453	1,102,400 1,876,368 2,007,803	1,102,400 5,552,716 5,892,256	- - -	- 223,260 223,260	- 223,260 223,260	12,614,000 52,259,394 68,722,698	31,195,800 88,088,029 120,076,287	43,809,800 140,347,423 188,798,985
1	3,371	F1-X	- 43,787,333	2,642,864 38,145,444	2,642,864 81,932,777	2,865,350 23,916,262	4,584,560 86,927,204	7,449,910 110,843,466	2,865,350 67,703,595	7,227,424 125,072,648	10,092,774 192,776,243	1,139,398 5,023,851	- 2,007,803	1,139,398 7,031,654	- -	- 223,260	- 223,260	4,004,748 72,727,446	7,227,424 127,303,711	11,232,172 200,031,157
1	80	MC1-V	-	-	-	-	-	-	-	-	-	24,960	76,960	101,920	65,600	193,600	259,200	90,560	270,560	361,120
2	458	MC1=V	-	-	-	-	-	-	-	-	-	1,488,500	434,642	1,923,142	1,447,280	178,620	1,625,900	2,935,780	613,262	3,549,042
0	237	MC1=X (Use MC1=V)	-	-	-	-	-	-	-	-	-	1,513,460 770,250 2,283,710	511,602 224,913 736,515	2,025,062 995,163 3,020,225	1,512,880 748,920 2,261,800	372,220 92,430 464,650	1,885,100 841,350 2,726,450	3,026,340 1,519,170 4,545,510	883,822 317,343 1,201,165	3,910,162 1,836,513 5,746,675
3	19,551 121,928	NPJ	-	-	-	-	2,215,715	2,215,715	-	2,215,715	2,215,715	-	-	-	-	-	-	-	2,215,715	2,215,715
		Operable	69,333,310	83,506,505	152,839,815	21,435,346	93,507,629	114,942,975	90,768,656	177,014,134	267,782,790	5,397,913	2,519,405	7,917,318	1,512,880	595,480	2,108,360	97,679,449	180,129,019	277,808,468
		Inoperable	-	2,915,360	2,915,360	2,865,350	6,800,275	9,665,625	2,865,350	9,715,635	12,580,985	1,139,398	-	1,139,398	-	-	-	5,523,918	10,032,978	15,556,896
			69,333,310	86,421,865	155,755,175	24,300,696	100,307,904	124,608,600	93,634,006	186,729,769	280,363,775	6,537,311	2,519,405	9,056,716	1,512,880	595,480	2,108,360	103,203,367	190,161,997	293,365,364

Operable Pine (Acres)
Cutover Poles 15,142
Cutover Sawtimber 15,647

Virgin Poles 17,028
Virgin Sawtimber 42,510

Operable Pine (Vol.)
Cutover Poles 76,298,872
Cutover Sawtimber 48,451,562

Virgin Poles 8,653,533
Virgin Sawtimber 140,347,423

Operable Pine (Acres)
Fringe (PO) 228
Seedlings (P3) 5,814
Poletimber (P2) 32,170
Sawtimber (P1) 58,157
96,369

Operable Pine (Vol.)
Fringe (P1O) 108,756
Seedlings (P3) -
Poletimber (P2) 84,952,405
Sawtimber (P1) 188,798,985
273,860,146

Inoperable Pine
Seedlings (P3X) 160
Sawtimber (P1X) 3,371
NPJ 19,551
Poletimber (P2X) 1,622
24,704

Inoperable Pine
Seedlings (P3X) -
Sawtimber (P1X) 11,232,172
NPJ 2,215,715
Poletimber (P2X) 272,496
13,720,383

Operable MC
Fringe (MCO) 80
Sawtimber (MC1) 538
618

Operable MC
Fringe (MCO) 38,160
Sawtimber (MC1) 3,910,162
3,948,322

Inoperable MC
Sawtimber (MCX) 237

Inoperable MC
Sawtimber (MCX) 1,836,513

Working Circle Totals

International ¼" Bd. Ft. Sawtimber

Net Volumes

Table 46

No. of Plots	Acres	Forest Type	Ponderosa Pine									Douglas-fir			White fir			Total Cut	Total Leave	Grand Total
			Yellow Pine			Blackjack			Pine Subtotal											
			Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total			
6	228	P1OV	6,056	-	6,056	7,576	111,435	119,011	13,632	111,435	125,067	-	-	-	-	-	-	13,632	111,435	125,067
0	80	MC1OV	2,125	-	2,125	2,658	39,100	41,758	4,783	39,100	43,883	-	-	-	-	-	-	4,783	39,100	43,883
			8,181	-	8,181	10,234	150,535	160,769	18,415	150,535	168,950	-	-	-	-	-	-	18,415	150,535	168,950
1	5,814	P3=V	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0	160	P3=X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	15,142	P2=C	25,597,551	55,204,552	80,802,103	-	6,941,698	6,941,698	25,597,551	62,146,250	87,743,801	-	-	-	-	-	-	25,597,551	62,146,250	87,743,801
17	13,388	P2-V	1,896,812	-	1,896,812	431,897	5,391,749	5,823,646	2,328,709	5,391,749	7,720,458	-	-	-	-	-	-	2,328,709	5,391,749	7,720,458
2	3,640	P2=V	1,875,328	-	1,875,328	-	355,810	355,810	1,875,328	355,810	2,231,138	-	-	-	-	-	-	1,875,328	355,810	2,231,138
	17,028		3,772,140	-	3,772,140	431,897	5,747,559	6,179,456	4,204,037	5,747,559	9,951,596	-	-	-	-	-	-	4,204,037	5,747,559	9,951,596
			29,369,691	55,204,552	84,574,243	431,897	12,689,257	13,121,154	29,801,588	67,893,809	97,695,397	-	-	-	-	-	-	29,801,588	67,893,809	97,695,397
2	1,622	P2-X	-	313,370	313,370	-	-	-	-	313,370	313,370	-	-	-	-	-	-	-	313,370	313,370
			29,369,691	55,517,922	84,887,613	431,897	12,689,257	13,121,154	29,801,588	68,207,179	98,008,767	-	-	-	-	-	-	29,801,588	68,207,179	98,008,767
64	15,647	F1-C	15,938,191	21,687,368	37,625,559	2,755,280	14,948,049	17,703,329	18,693,471	36,635,417	55,328,888	239,243	151,150	390,393	-	-	-	18,932,714	36,786,567	55,719,281
104	37,210	F1-V	34,417,017	19,140,452	53,557,469	6,947,107	45,138,707	52,085,814	41,364,124	64,279,159	105,643,283	4,227,800	890,063	5,117,863	-	256,749	256,749	45,591,924	65,425,971	111,017,895
1	5,300	F1=V	-	-	-	15,018,080	35,828,848	50,846,928	15,018,080	35,828,848	50,846,928	-	1,267,760	1,267,760	-	-	-	15,018,080	37,096,608	52,114,688
	42,510		34,417,017	19,140,452	53,557,469	21,965,187	80,967,555	102,932,742	56,382,204	100,108,007	156,490,211	4,227,800	2,157,823	6,385,623	-	256,749	256,749	60,610,004	102,522,579	163,132,583
			50,355,208	40,827,820	91,183,028	24,720,467	95,915,604	120,636,071	75,075,675	136,743,424	211,819,099	4,467,043	2,308,973	6,776,016	-	256,749	256,749	79,542,718	139,309,146	218,851,864
1	3,371	F1-X	-	3,039,294	3,039,294	3,295,152	5,272,244	8,567,396	3,295,152	8,311,538	11,606,690	1,310,308	-	1,310,308	-	-	-	4,605,460	8,311,538	12,916,998
			50,355,208	43,867,114	94,222,322	28,015,619	101,187,848	129,203,467	78,370,827	145,054,962	223,425,789	5,777,351	2,308,973	8,086,324	-	256,749	256,749	84,148,178	147,620,684	231,768,862
1	80	MC1-V	-	-	-	-	-	-	-	-	-	28,704	88,504	117,208	75,440	222,640	298,080	104,144	311,144	415,288
2	458	MC1=V	-	-	-	-	-	-	-	-	-	1,711,775	499,838	2,211,613	1,664,372	205,413	1,869,785	3,376,147	705,251	4,081,398
												1,740,479	588,342	2,328,821	1,739,812	428,053	2,167,865	3,480,291	1,016,395	4,496,686
0	237	MC1=X	-	-	-	-	-	-	-	-	-	885,787	258,650	1,144,437	861,258	106,294	967,552	1,747,045	364,944	2,111,989
												2,626,266	846,992	3,473,258	2,601,070	534,347	3,135,417	5,227,336	1,381,339	6,608,675
3	19,551	NPJ	-	-	-	-	2,541,630	2,541,630	-	2,541,630	2,541,630	-	-	-	-	-	-	-	2,541,630	2,541,630
	121,928																			
	Oparable		79,733,080	96,032,372	175,765,452	25,162,598	108,755,396	133,917,994	104,895,678	204,787,768	309,683,446	6,207,522	2,897,315	9,104,837	1,739,812	684,802	2,424,614	112,843,012	208,369,885	321,212,897
	Inoperable		-	3,352,664	3,352,664	3,295,152	7,813,874	11,109,026	3,295,152	11,166,538	14,461,690	2,196,095	258,650	2,454,745	861,258	106,294	967,552	6,352,505	11,531,482	17,883,987

Operable Pine (Acres)
Cutover Poles 15,142
Cutover Sawtimber 15,647

Virgin Poles 17,028
Virgin Sawtimber 42,510

Operable Pine (Vol.)
Cutover Poles 87,743,801
Cutover Sawtimber 55,719,281

Virgin Poles 9,951,596
Virgin Sawtimber 163,132,583

Operable Pine (Acres)
Fringe (PO) 228
Seedlings (P3) 5,814
Poletimber (P2) 32,170
Sawtimber (F1) 58,157
96,369

Operable Pine (Vol.)
Fringe (P1OV) 125,067
Seedlings (P3) -
Poletimber (P2) 97,695,397
Sawtimber (F1) 218,851,864
316,672,328

Inoperable Pine
Seedlings (P3X) 160
Sawtimber (F1X) 3,371
NPJ 19,551
Poletimber (P2X) 1,622
24,704

Inoperable Pine
Seedlings (P3X) -
Sawtimber (F1X) 12,916,998
NPJ 2,541,630
Poletimber (P2X) 313,370
15,771,998

Operable MC
Fringe (MCO) 80
Sawtimber (MC1) 538
618

Operable MC
Fringe (MCO) 43,883
Sawtimber (MC1) 4,496,686
4,540,569

Inoperable MC
Sawtimber (MCX) 237

Inoperable MC
Sawtimber (MCX) 2,111,989

Working Circle Totals

Cubic Feet 5.0" - 11.5" D.B.H.

Net Volumes

Table 47

No. of Plots	Acres	Forest Type	Ponderosa Pine: Yellow Pine Cut	Yellow Pine Leave	Yellow Pine Total	Blackjack Cut	Blackjack Leave	Blackjack Total	Pine Subtotal Cut	Pine Subtotal Leave	Pine Subtotal Total	Douglas-fir Cut	Douglas-fir Leave	Douglas-fir Total	White fir Cut	White fir Leave	White fir Total	Total Cut	Total Leave	Grand Total
6	228	P1OV (P1OC, P1OX)	-	-	-	1,959	3,479	5,438	1,959	3,479	5,438	-	-	-	-	-	-	1,959	3,479	5,438
0	80	MC1OV	-	-	-	687	1,221	1,908	687	1,221	1,908	-	-	-	-	-	-	687	1,221	1,908
			-	-	-	2,646	4,700	7,346	2,646	4,700	7,346	-	-	-	-	-	-	2,646	4,700	7,346
1	5,814	P3=V	-	-	-	50,872	-	50,872	50,872	-	50,872	-	-	-	-	-	-	50,872	-	50,872
0	160	P3=X	-	-	-	1,400	-	1,400	1,400	-	1,400	-	-	-	-	-	-	1,400	-	1,400
			-	-	-	52,272	-	52,272	52,272	-	52,272	-	-	-	-	-	-	52,272	-	52,272
3	15,142	P2=C (P1-C)	-	-	-	711,220	4,807,282	5,518,502	711,220	4,807,282	5,518,502	-	-	-	-	-	-	711,220	4,807,282	5,518,502
17	13,388	P2-V	-	-	-	277,132	2,269,935	2,547,067	277,132	2,269,935	2,547,067	-	-	-	-	-	-	277,132	2,269,935	2,547,067
2	3,640	P2=V	-	-	-	365,565	1,919,663	2,285,228	365,565	1,919,663	2,285,228	-	-	-	-	-	-	365,565	1,919,663	2,285,228
	17,028					642,697	4,189,598	4,832,295	642,697	4,189,598	4,832,295	-	-	-	-	-	-	642,697	4,189,598	4,832,295
						1,353,917	8,996,880	10,350,797	1,353,917	8,996,880	10,350,797	-	-	-	-	-	-	1,353,917	8,996,880	10,350,797
2	1,622	P2-X	-	-	-	41,296	222,311	263,607	41,296	222,311	263,607	-	-	-	-	-	-	41,296	222,311	263,607
			-	-	-	1,395,213	9,219,191	10,614,404	1,395,213	9,219,191	10,614,404	-	-	-	-	-	-	1,395,213	9,219,191	10,614,404
64	15,647	P1-C	-	-	-	855,109	3,005,476	3,860,585	855,109	3,005,476	3,860,585	-	118,135	118,135	-	2,504	2,504	855,109	3,126,115	3,981,224
104	37,210	P1-V	-	-	-	1,512,586	6,633,055	8,145,641	1,512,586	6,633,055	8,145,641	8,930	159,259	168,189	2,977	59,536	62,513	1,524,493	6,851,850	8,376,343
1	5,300	P1=V	-	-	-	-	784,771	784,771	-	784,771	784,771	-	1,168,862	1,168,862	-	-	-	-	1,953,633	1,953,633
	42,510					1,512,586	7,417,826	8,930,412	1,512,586	7,417,826	8,930,412	8,930	1,328,121	1,337,051	2,977	59,536	62,513	1,524,493	8,805,483	10,329,976
						2,367,695	10,423,302	12,790,997	2,367,695	10,423,302	12,790,997	8,930	1,446,256	1,455,186	2,977	62,040	65,017	2,379,602	11,931,598	14,311,200
1	3,371	P1-X	-	-	-	185,371	540,978	726,349	185,371	540,978	726,349	-	34,620	34,620	-	-	-	185,371	575,598	760,969
			-	-	-	2,553,066	10,964,280	13,517,346	2,553,076	10,964,280	13,517,346	8,930	1,480,876	1,489,806	2,977	62,040	65,017	2,564,973	12,507,196	15,072,169
1	80	MC1-V	-	-	-	-	-	-	-	-	-	4,857	13,655	18,512	23,674	35,284	58,958	28,531	48,939	77,470
2	458	MC1=V	-	-	-	4,653	-	4,653	4,653	-	4,653	20,390	22,016	42,406	42,466	141,302	183,768	67,509	163,318	230,827
						4,653	-	4,653	4,653	-	4,653	25,247	35,671	60,918	66,140	176,586	242,726	96,040	212,257	308,297
0	237	MC1-X	-	-	-	2,408	-	2,408	2,408	-	2,408	10,551	11,393	21,944	21,975	73,119	95,094	34,934	84,512	119,446
			-	-	-	7,061	-	7,061	7,061	-	7,061	35,798	47,064	82,862	88,115	249,705	337,820	130,974	296,769	427,743
3	19,551	NPJ	-	-	-	-	177,719	177,719	-	177,719	177,719	-	-	-	-	-	-	-	177,719	177,719
	121,928																			
			-	-	-	3,779,783	19,424,882	23,204,665	3,779,783	19,424,882	23,204,665	34,177	1,481,927	1,516,104	69,117	238,626	307,743	3,883,077	21,145,435	25,028,512
		Operable	-	-	-	230,475	941,008	1,171,483	230,475	941,008	1,171,483	10,551	46,013	56,564	21,975	73,119	95,094	263,001	1,060,140	1,323,141
		Inoperable	-	-	-	4,010,258	20,365,890	24,376,148	4,010,258	20,365,890	24,376,148	44,728	1,527,940	1,572,668	91,092	311,745	402,837	4,146,078	22,205,575	26,351,653

Operable Pine (Acres)
Cutover Poles 15,142
Cutover Sawtimber 15,647

Virgin Poles 17,028
Virgin Sawtimber 42,510

Operable Pine (Vol.)
Cutover Poles 5,518,502
Cutover Sawtimber 3,981,224

Virgin Poles 4,832,295
Virgin Sawtimber 10,329,976

Operable Pine (Acres)
Fringe 228
Seedlings 5,814
Poletimber 32,170
Sawtimber 58,157
96,369

Inoperable Pine
Seedlings 160
Sawtimber 3,371
NPJ 19,551
Poletimber 1,622
24,704

Operable MC
Fringe 80
Sawtimber 538
618

Inoperable MC
Sawtimber 237

Operable Pine (Vol.)
Fringe (P1O) 5,438
Seedlings (P3) 50,872
Poletimber (P2) 10,350,797
Sawtimber (P1) 14,311,200
24,718,307

Inoperable Pine
Seedlings (P3) 1,400
Sawtimber (P1X) 760,969
NPJ 177,719
Poletimber (P2X) 263,607
1,203,695

Operable MC
Fringe (MCO) 1,908
Sawtimber (MC1) 308,297
310,205

Inoperable MC
Sawtimber (MCX) 119,446

Working Circle Totals

Cubic Feet 5.0" and Over D.B.H.

Net Volumes

Table 48

No. of Plots	Acres	Forest Type	Ponderosa Pine									Douglas-fir			White fir			Total Cut	Total Leave	Grand Total
			Yellow Pine			Blackjack			Pine Subtotal											
			Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total			
6	228	P1OV (P1OC, P1OX)	9,927	-	9,927	3,871	22,923	26,794	13,798	22,923	36,721	-	-	-	-	-	-	13,798	22,923	36,721
0	80	MC1OV	3,483	-	3,483	1,358	8,043	9,401	4,841	8,043	12,884	-	-	-	-	-	-	4,841	8,043	12,884
			13,410	-	13,410	5,229	30,966	36,192	18,639	30,966	49,605	-	-	-	-	-	-	18,639	30,966	49,605
1	5,814	P3=V	-	-	-	50,872	-	50,872	50,872	-	50,872	-	-	-	-	-	-	50,872	-	50,872
			-	-	-	50,872	-	50,872	50,872	-	50,872	-	-	-	-	-	-	50,872	-	50,872
0	160	P3=X	-	-	-	1,400	-	1,400	1,400	-	1,400	-	-	-	-	-	-	1,400	-	1,400
			-	-	-	52,272	-	52,272	52,272	-	52,272	-	-	-	-	-	-	52,272	-	52,272
3	15,142	P2=C (P2-C)	3,548,528	8,013,752	11,562,280	711,220	6,141,444	6,852,664	4,259,748	14,155,196	18,414,944	-	-	-	-	-	-	4,259,748	14,155,196	18,414,944
17	13,388	P2-V	256,246	-	256,246	368,973	2,832,098	3,201,071	625,219	2,832,098	3,457,317	-	-	-	-	-	-	625,219	2,832,098	3,457,317
2	3,640	P2=V	240,386	-	240,386	365,711	1,968,985	2,334,696	606,097	1,968,985	2,575,082	-	-	-	-	-	-	606,097	1,968,985	2,575,082
	17,028		496,632	-	496,632	734,684	4,801,083	5,535,767	1,231,316	4,801,083	6,032,399	-	-	-	-	-	-	1,231,316	4,801,083	6,032,399
			4,045,160	8,013,752	12,058,912	1,445,904	10,942,527	12,388,431	5,491,064	18,956,279	24,447,343	-	-	-	-	-	-	5,491,064	18,956,279	24,447,343
2	1,622	P2-X	-	61,652	61,652	74,028	222,311	296,339	74,028	283,963	357,991	-	-	-	-	-	-	74,028	283,963	357,991
			4,045,160	8,075,404	12,120,564	1,519,932	11,164,838	12,684,770	5,565,092	19,240,242	24,805,334	-	-	-	-	-	-	5,565,092	19,240,242	24,805,334
64	15,647	P1-C	2,066,343	3,179,314	5,245,657	1,345,642	5,500,859	6,846,501	3,411,985	8,680,173	12,092,158	177,750	201,220	378,970	-	2,660	2,660	3,589,735	8,884,053	12,473,788
104	37,210	P1-V	4,653,110	3,313,178	7,966,288	2,647,119	13,834,306	16,481,425	7,300,229	17,147,484	24,447,713	571,918	299,540	871,458	2,977	122,049	125,026	7,875,124	17,569,073	25,444,197
1	5,300	P1=V	-	-	-	2,174,590	5,849,981	8,024,571	2,174,590	5,849,981	8,024,571	-	1,391,409	1,391,409	-	-	-	2,174,590	7,241,390	9,415,980
	42,510		4,653,110	3,313,178	7,966,288	4,821,709	19,684,287	24,505,996	9,474,819	22,997,465	32,472,284	571,918	1,690,949	2,262,867	2,977	122,049	125,026	10,049,714	24,810,463	34,860,177
			6,719,453	6,492,492	13,211,945	6,167,351	25,185,146	31,352,497	12,886,804	31,677,638	44,564,442	749,668	1,892,169	2,641,837	2,977	124,709	127,686	13,639,449	33,694,516	47,333,965
1	3,371	P1-X	-	516,336	516,336	694,932	1,400,617	2,095,549	694,932	1,916,953	2,611,885	357,865	34,620	392,485	-	-	-	1,052,797	195,573	3,004,370
			6,719,453	7,008,828	13,728,281	6,862,283	26,585,763	33,448,046	13,581,736	33,594,591	47,176,327	1,107,533	1,926,789	3,034,322	2,977	124,709	127,686	14,692,246	35,646,089	50,338,335
1	80	MC1-V	-	-	-	-	-	-	-	-	-	12,195	34,945	47,140	44,398	91,110	135,508	56,593	126,055	182,648
2	458	MC1=V	-	-	-	4,653	-	4,653	4,653	-	4,653	362,553	112,334	474,887	384,180	172,455	556,635	751,386	284,789	1,036,175
			-	-	-	4,653	-	4,653	4,653	-	4,653	374,748	147,279	522,027	428,578	263,565	692,143	807,979	410,844	1,218,823
0	237	MC1=X	-	-	-	2,408	-	2,408	2,408	-	2,408	187,609	58,129	245,738	198,800	89,240	288,040	388,817	147,369	536,186
			-	-	-	7,061	-	7,061	7,061	-	7,061	562,357	205,408	767,765	627,378	352,805	980,183	1,196,796	558,213	1,755,009
3	19,551	NPJ	-	-	-	-	623,090	623,090	-	623,090	623,090	-	-	-	-	-	-	-	623,090	623,090
	121,928																			
		Operable	10,778,023	14,506,244	25,284,267	7,674,009	36,158,639	43,832,648	18,452,032	50,664,883	69,116,915	1,124,416	2,039,448	3,163,864	431,555	388,274	819,829	20,008,003	53,092,605	73,100,608
		Inoperable	-	577,988	577,988	772,768	2,246,018	3,018,786	772,768	2,824,006	3,596,774	545,474	92,749	638,223	198,800	89,240	288,040	1,517,042	3,005,995	4,523,037
			10,778,023	15,084,232	25,862,255	8,446,777	38,404,657	46,851,434	19,224,800	53,488,889	72,713,689	1,669,890	2,132,197	3,802,087	630,355	477,514	1,107,869	21,525,045	56,098,600	77,623,645

Operable Pine (Acres)
Cutover Poles 15,142
Cutover Sawtimber 15,647

Virgin Poles 17,028
Virgin Sawtimber 42,510

Operable Pine (Vol.)
Cutover Poles 18,414,944
Cutover Sawtimber 12,473,788

Virgin Poles 6,032,399
Virgin Sawtimber 34,860,177

Operable Pine (Acres)
Fringe (PO) 228
Seedlings (P3) 5,814
Poletimber (P2) 32,170
Sawtimber (P1) 58,157
96,369

Operable Pine (Vol.)
Fringe (P1OV) 36,721
Seedlings (P3) 50,872
Poletimber (P2) 24,447,343
Sawtimber (P1) 47,333,965
71,868,901

Inoperable Pine
Seedlings (P3X) 160
Sawtimber (P1X) 3,371
NPJ 19,551
Poletimber (P2X) 1,622
24,704

Inoperable Pine
Seedlings (P3X) 1,400
Sawtimber (P1X) 3,004,370
NPJ 623,090
Poletimber 357,991
3,986,851

Operable MC
Fringe (MCO) 80
Sawtimber (MC1) 538
618

Operable MC
Fringe (MC1OV) 12,884
Sawtimber (MC1) 1,218,823
1,231,707

Inoperable MC
Sawtimber (MCX) 237

Inoperable MC
Sawtimber (MCX) 536,186

Working Circle Totals

Cubic Feet 11.6" and Over D.B.H.

Net Volumes

Table 49

No. of Plots	Acres	Forest Type	Ponderosa Pine: Yellow Pine Cut	Yellow Pine Leave	Yellow Pine Total	Blackjack Cut	Blackjack Leave	Blackjack Total	Pine Subtotal Cut	Pine Subtotal Leave	Pine Subtotal Total	Douglas-fir Cut	Douglas-fir Leave	Douglas-fir Total	White fir Cut	White fir Leave	White fir Total	Total Cut	Total Leave	Grand Total
6	228	P1OV	9,927	-	9,927	1,912	19,444	21,356	11,839	19,444	31,283	-	-	-	-	-	-	11,839	19,444	31,283
0	80	MC1OV	3,483	-	3,483	671	6,822	7,493	4,154	6,822	10,976	-	-	-	-	-	-	4,154	6,822	10,976
			13,410	-	13,410	2,583	26,266	28,849	15,993	26,266	42,259	-	-	-	-	-	-	15,993	26,266	42,259
1	5,814	P3=V	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0	160	P3=X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	15,142	P2=C	3,548,528	8,013,752	11,562,280	-	1,334,162	1,334,162	3,548,528	9,347,914	12,896,442	-	-	-	-	-	-	3,548,528	9,347,914	12,896,442
17	13,388	P2-V	256,246	-	256,246	91,841	562,163	654,004	348,087	562,163	910,250	-	-	-	-	-	-	348,087	562,163	910,250
2	3,640	P2=V	240,386	-	240,386	146	49,322	49,468	240,532	49,322	289,854	-	-	-	-	-	-	240,532	49,322	289,854
			496,632	-	496,632	91,987	611,485	703,472	588,619	611,485	1,200,104	-	-	-	-	-	-	588,619	611,485	1,200,104
			4,045,160	8,013,752	12,058,912	91,987	1,945,647	2,037,634	4,137,147	9,959,399	14,096,546	-	-	-	-	-	-	4,137,147	9,959,399	14,096,546
2	1,622	P2-X	-	61,652	61,652	32,732	-	32,732	32,732	61,652	94,384	-	-	-	-	-	-	32,732	61,652	94,384
			4,045,160	8,075,404	12,120,564	124,719	1,945,647	2,070,366	4,169,879	10,021,051	14,190,930	-	-	-	-	-	-	4,169,879	10,021,051	14,190,930
64	15,647	P1-C	2,066,343	3,179,314	5,245,657	490,533	2,495,383	2,985,916	2,556,876	5,674,697	8,231,573	177,750	83,085	260,835	-	156	156	2,734,626	5,757,938	8,492,564
104	37,210	P1-V	4,653,110	3,313,178	7,966,288	1,134,533	7,201,251	8,335,784	5,787,643	10,514,429	16,302,072	562,988	140,281	703,269	-	62,513	62,513	6,350,631	10,717,223	17,337,854
1	5,300	P1=V	-	-	-	2,174,590	5,065,210	7,239,800	2,174,590	5,065,210	7,239,800	-	222,547	222,547	-	-	-	2,174,590	5,287,757	7,462,347
			4,653,110	3,313,178	7,966,288	3,309,123	12,266,461	15,575,584	7,962,233	15,579,639	23,541,872	562,988	362,828	925,816	-	62,513	62,513	8,525,221	16,004,980	24,800,201
			6,719,453	6,492,492	13,211,945	3,799,656	14,761,844	18,561,500	10,519,109	21,254,336	31,773,445	740,738	445,913	1,186,651	-	62,669	62,669	11,259,847	21,762,918	33,022,765
1	3,371	P1-X	-	516,336	516,336	509,561	859,639	1,369,200	509,561	1,375,975	1,885,536	357,865	-	357,865	-	-	-	867,426	1,375,975	2,243,401
			6,719,453	7,008,828	13,728,281	4,309,217	15,621,483	19,930,700	11,028,670	22,630,311	33,658,981	1,098,603	445,913	1,544,516	-	62,669	62,669	12,127,273	23,138,893	35,266,166
1	80	MC1-V	-	-	-	-	-	-	-	-	-	7,338	21,290	28,628	20,724	55,826	76,550	28,062	77,116	105,178
2	458	MC1=V	-	-	-	-	-	-	-	-	-	342,163	90,318	432,481	341,714	31,153	372,867	683,877	121,471	805,348
			-	-	-	-	-	-	-	-	-	349,501	111,608	461,109	362,438	86,979	449,417	711,939	198,587	910,526
0	237	MC1=X	-	-	-	-	-	-	-	-	-	177,058	46,736	223,794	176,825	16,121	192,946	353,883	62,857	416,740
			-	-	-	-	-	-	-	-	-	526,559	158,344	684,903	539,263	103,100	642,363	1,065,822	261,444	1,327,266
3	19,551	NPJ	-	-	-	-	445,371	445,371	-	445,371	445,371	-	-	-	-	-	-	-	445,371	445,371
	121,928																			
		Operable	10,778,023	14,506,244	25,284,267	3,894,226	16,733,757	20,627,983	14,672,249	31,240,001	45,912,250	1,090,239	557,521	1,647,760	362,438	149,648	512,086	16,124,926	31,947,170	48,072,096
		Inoperable	-	577,988	577,988	542,293	1,305,010	1,847,303	542,293	1,882,998	2,425,291	534,923	46,736	581,659	176,825	16,121	192,946	1,254,041	1,945,855	3,199,896
			10,778,023	15,084,232	25,862,255	4,436,519	18,038,767	22,475,286	15,214,542	33,122,999	48,337,541	1,625,162	604,257	2,229,419	539,263	165,769	705,032	17,378,967	33,893,025	51,271,992

Operable Pine (Acres)
Cutover Poles 15,142
Cutover Sawtimber 15,647

Virgin Poles 17,028
Virgin Sawtimber 42,510

Operable Pine (Vol.)
Cutover Poles 12,896,442
Cutover Sawtimber 8,492,564

Virgin Poles 1,200,104
Virgin Sawtimber 24,800,201

Operable Pine (Acres)
Fringe (P0) 228
Seedlings (P3) 5,814
Poletimber (P2) 32,170
Sawtimber (P1) 58,157
96,369

Operable Pine (Vol.)
Fringe (PO) 31,283
Seedlings (P3) -
Poletimber (P2) 14,096,546
Sawtimber (P1) 33,022,765
47,150,594

Inoperable Pine
Seedlings (P3X) 160
Sawtimber (P1X) 3,371
NPJ 19,551
Poletimber (P2X) 1,622
24,704

Inoperable Pine
Seedlings (P3X) -
Sawtimber (P1X) 2,243,401
NPJ 445,371
Poletimber (P2X) 94,384
2,783,156

Operable MC
Fringe (MC0) 80
Sawtimber (MC1) 538
618

Operable MC
Fringe (MC0) 10,976
Sawtimber (MC1) 910,526
921,502

Inoperable MC
Sawtimber (MCX) 237

Inoperable MC
Sawtimber (MCX) 416,740

Working Circle Totals

Sawtimber Scribner Rule 11.6" and Over D.B.H.

Gross Volumes

Table 50

Forest Type	No. of Acres	Ponderosa Pine									Douglas-fir			White fir			Totals		
		Yellow Pine			Blackjack			Pine Subtotal									Subtotal	Subtotal	
		Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total
P10V (P10C, P10X)	228	7,524	-	7,524	7,752	114,000	121,752	15,276	114,000	129,276	-	-	-	-	-	-	15,276	114,000	129,276
MC10V	80	2,640	-	2,640	2,720	40,000	42,720	5,360	40,000	45,360	-	-	-	-	-	-	5,360	40,000	45,360
		10,164	-	10,164	10,472	154,000	164,472	20,636	154,000	174,636	-	-	-	-	-	-	20,636	154,000	174,636
P3=V	5,814	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P3=X	160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P2=C (P2-C)	15,142	29,678,320	64,005,234	93,683,554	-	6,859,326	6,859,326	29,678,320	70,864,560	100,542,880	-	-	-	-	-	-	29,678,320	70,864,560	100,542,880
P2-V	13,388	2,356,288	-	2,356,288	441,804	5,515,856	5,957,660	2,798,092	5,515,856	8,313,948	-	-	-	-	-	-	2,798,092	5,515,856	8,313,948
P2=V	3,640	2,329,600	-	2,329,600	-	364,000	364,000	2,329,600	364,000	2,693,600	-	-	-	-	-	-	2,329,600	364,000	2,693,600
		4,685,888	-	4,685,888	441,804	5,879,856	6,321,660	5,127,692	5,879,856	11,007,548	-	-	-	-	-	-	5,127,692	5,879,856	11,007,548
		34,364,208	64,005,234	98,369,442	441,804	12,739,182	13,180,986*	34,806,012	76,744,416	111,550,428	-	-	-	-	-	-	34,806,012	76,744,416	111,550,428
P2-X	1,622	-	389,280	389,280	-	-	-	-	389,280	389,280	-	-	-	-	-	-	-	389,280	389,280
		34,364,208	64,394,514	98,758,712	441,804	12,739,182	13,180,986*	34,806,012	77,133,696	111,939,708	-	-	-	-	-	-	34,806,012	77,133,696	111,939,708
P1-C	15,647	18,479,107	25,144,729	43,623,836	2,706,931	14,770,768	17,477,699	21,186,038	39,915,497	61,101,535	297,293	187,764	485,057	-	-	-	21,483,331	40,103,261	61,586,592
P1-V	37,210	42,754,290	23,777,190	66,531,480	7,107,110	46,177,610	53,284,720	49,861,400	69,954,800	119,816,200	5,655,920	1,190,720	6,846,640	-	446,520	446,520	55,517,320	71,592,040	127,109,360
P1=V	5,300	-	-	-	14,840,000	35,404,000	50,244,000	14,840,000	35,404,000	50,244,000	-	1,696,000	1,696,000	-	-	-	14,840,000	37,100,000	51,940,000
		42,754,290	23,777,190	66,531,480	21,947,110	81,581,610	103,528,720	64,701,400	105,358,800	170,060,200	5,655,920	2,886,720	8,542,640	-	446,520	446,520	70,357,320	108,692,040	179,049,360
		61,233,397	48,921,919	110,155,316*	24,654,041	96,352,378	121,006,419	85,887,438	145,274,297	231,161,735	5,953,213	3,074,484	9,027,697	-	446,520	446,520	91,840,651	148,795,301	240,635,952
P1-X	3,371	-	3,775,520	3,775,520	3,371,000	5,393,600	8,764,600	3,371,000	9,169,120*	12,540,120*	1,752,920	-	1,752,920	-	-	-	5,123,920	9,169,120	14,293,040
		61,233,397	52,697,439	113,930,836	28,025,041	101,745,978	129,771,019	89,258,438	154,443,417	243,701,855	7,706,113	3,074,484	10,780,617	-	446,520	446,520	96,964,571	157,964,421	254,928,992
MC1-V	80	-	-	-	-	-	-	-	-	-	38,400	118,400	156,800	131,200	387,200	518,400	169,600	505,600	675,200
MC1=V	458	-	-	-	-	-	-	-	-	-	2,290,000	668,680	2,958,680	2,894,560	357,240	3,251,800	5,184,560	1,025,920	6,210,480
											2,328,400	787,080	3,115,480	3,025,760	744,440	3,770,200	5,354,160	1,531,520	6,885,680
											2,328,400	787,080	3,115,480	3,025,760	744,440	3,770,200	5,354,160	1,531,520	6,885,680
MC1=X	237	-	-	-	-	-	-	-	-	-	1,185,000	364,020	1,549,020	1,497,840	184,860	1,682,700	2,682,840	548,880	3,231,720
											3,513,400	1,151,100	4,664,500	4,523,600	929,300	5,452,900	8,037,000	2,080,400	10,117,400
NPJ	19,551	-	-	-	-	2,600,283	2,600,283	-	2,600,283	2,600,283	-	-	-	-	-	-	-	2,600,283	2,600,283
	121,928																137,140,019	239,343,920	376,483,939
	Operable	95,607,769	112,927,153	208,534,922	25,106,317	109,245,560	134,351,877	120,714,086	222,172,713	342,886,799									
	Inoperable	-	4,164,800	4,164,800	3,371,000	7,993,883	11,364,883	3,371,000	12,158,683	15,529,683									

Working Circle Totals

Sawtimber International ¼" Rule 11.6" and Over D.B.H.

Gross Volumes

Table 51

Plots	Forest Type	No. of Acres	Ponderosa Pine									Douglas-fir			White fir			Totals		
			Yellow Pine			Blackjack			Pine Subtotal									Subtotal	Subtotal	
			Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total
6	P1OV	228	8,053	-	8,053	8,915	131,100	140,015	16,968	131,100	148,068	-	-	-	-	-	-	16,968	131,100	148,068
0	MC1OV	80	3,036 11,089	- -	3,036 11,089	3,128 12,043	46,000 177,100	49,128 189,143	6,164 23,132	46,000 177,100	52,164 200,232	- -	- -	- -	- -	- -	- -	6,164 23,132	46,000 177,100	52,164 200,232
1	P3=V	5,814	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0	P3=X	160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	P2=C	15,142	34,130,068	73,606,019	107,736,087	-	7,888,225	7,888,225	34,130,068	81,494,244	115,624,312	-	-	-	-	-	-	34,130,068	81,494,244	115,624,312
17	P2-V	13,388	2,709,731	-	2,709,731	508,075	6,343,234	6,851,309	3,217,806	6,343,234	9,561,040	-	-	-	-	-	-	3,217,806	6,343,234	9,561,040
2	P2=V	3,640	2,679,040 5,388,771 39,518,839	- - 73,606,019	2,679,040 5,388,771 113,124,858	- 508,075 508,075	418,600 6,761,834 14,650,059	418,600 7,269,909 15,158,134	2,679,040 5,896,846 40,026,914	418,600 6,761,834 88,256,078	3,097,640 12,658,680 128,282,992	- - -	- - -	- - -	- - -	- - -	- - -	2,679,040 5,896,846 40,026,914	418,600 6,761,834 88,256,078	3,097,640 12,658,680 128,282,992
2	P2-X	1,622	- 39,518,839	447,672 74,053,691	447,672 113,571,530	- 508,075	- 14,650,059	- 15,158,134	- 40,026,914	447,672 88,703,750	447,672 128,730,664	- -	- -	- -	- -	- -	- -	- 40,026,914	447,672 88,703,750	447,672 128,730,664
64	P1-C	15,647	21,250,973	28,916,438	50,167,411	3,130,965	16,986,383	20,117,348	24,381,938	45,902,821	70,284,759	341,887	215,929	557,816	-	-	-	24,723,825	46,118,750	70,842,575
104	P1-V	37,210	49,167,433	27,343,768	76,511,201	8,173,176	53,104,251	61,277,427	57,340,609	80,448,019	137,788,628	6,504,308	1,369,328	7,873,636	-	513,498	513,498	63,844,917	82,330,845	146,175,762
1	P1=V	5,300	- 49,167,433 70,418,406	- 27,343,768 56,260,206	- 76,511,201 126,678,612	17,066,000 25,239,176 28,370,141	40,714,600 93,818,851 110,805,234	57,780,600 119,058,027 139,175,375	17,066,000 74,406,609 98,788,547	40,714,600 121,162,619 167,065,440	57,780,600 195,569,228 265,853,987	- 6,504,308 6,846,195	1,950,400 3,319,728 3,535,657	1,950,400 9,824,036 10,381,852	- - -	- 513,498 513,498	- 513,498 513,498	17,066,000 80,910,917 105,634,742	42,665,000 124,995,845 171,114,595	59,731,000 205,906,762 276,749,337
1	P1-X	3,371	- 70,418,406	4,341,848 60,602,054	4,341,848 131,020,460	3,876,650 32,246,791	6,202,640 117,007,874	10,079,290 149,254,665	3,876,650 102,665,197	10,544,488 177,609,928	14,421,138 280,275,125	2,015,858 8,862,053	- 3,535,657	2,015,858 12,397,710	- -	- 513,498	- 513,498	5,892,508 111,527,250	10,544,488 181,659,083	16,436,996 293,186,333
1	MC1-V	80	-	-	-	-	-	-	-	-	-	44,160	136,160	180,320	150,880	454,280	605,160	195,040	590,440	785,480
2	MC1=V	458	-	-	-	-	-	-	-	-	-	2,633,500 2,677,660	768,982 905,142	3,402,482 3,582,802	3,328,744 3,479,624	410,826 865,106	3,739,570 4,344,730	5,962,244 6,157,284	1,179,808 1,770,248	7,142,052 7,927,532
0	MC1=X	237	-	-	-	-	-	-	-	-	-	1,362,750 4,040,410	397,923 1,303,065	1,760,673 5,343,475	1,722,516 5,202,140	212,589 1,077,695	1,935,105 6,279,835	3,085,266 9,242,550	610,512 2,380,760	3,695,778 11,623,310
3	NPJ	19,551	-	-	-	-	2,990,325	2,990,325	-	2,990,325	2,990,325	-	-	-	-	-	-	-	2,990,325	2,990,325
Grassland		2,343																		
Brush		24,248																		
Operable			109,948,334	129,866,225	239,814,559	28,890,259	125,632,393	154,522,652	138,838,593	255,498,618	394,337,211	9,523,855	4,440,799	13,964,654	3,479,624	1,378,604	4,858,228	151,842,072	261,318,021	413,160,093
Inoperable			-	4,789,520	4,789,520	3,876,650	9,192,965	13,069,615	3,876,650	13,982,485	17,859,135	3,378,608	397,923	3,776,531	1,722,516	212,589	1,935,105	8,977,774	14,592,997	23,570,771

Working Circle Totals

Cubic Feet 5.0" - 11.5" D.B.H.

Gross Volumes

Table 52

Forest Type	No. of Acres	Ponderosa Pine									Douglas-fir			White fir			Totals		
		Yellow Pine			Blackjack			Pine Subtotal									Subtotal	Subtotal	
		Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total
P1OV	288	-	-	-	2,912	5,170	8,082	2,912	5,170	8,082	-	-	-	-	-	-	2,912	5,170	8,082
MC1OV	80	-	-	-	809	1,436	2,245	809	1,436	2,245	-	-	-	-	-	-	809	1,436	2,245
		-	-	-	3,721	6,606	10,327	3,721	6,606	10,327	-	-	-	-	-	-	3,721	6,606	10,327
P3=V	5,814	-	-	-	59,884	-	59,884	59,884	-	59,884	-	-	-	-	-	-	59,884	-	59,884
P3=X	160	-	-	-	1,648	-	1,648	1,648	-	1,648	-	-	-	-	-	-	1,648	-	1,648
		-	-	-	61,532	-	61,532	61,532	-	61,532	-	-	-	-	-	-	61,532	-	61,532
P2=C	15,142	-	-	-	808,129	4,562,779	5,370,908	808,129	4,562,779	5,370,908	-	-	-	-	-	-	808,129	4,562,779	5,370,908
P2-V	13,388	-	-	-	325,998	2,670,504	2,996,502	325,998	2,670,504	2,996,502	-	-	-	-	-	-	325,998	2,670,504	2,996,502
P2=V	3,640	-	-	-	430,066	2,258,438	2,688,504	430,066	2,258,438	2,688,504	-	-	-	-	-	-	430,066	2,258,438	2,688,504
		-	-	-	756,064	4,928,942	5,685,006	756,064	4,928,942	5,685,006	-	-	-	-	-	-	756,064	4,928,942	5,685,006
		-	-	-	1,564,193	9,491,721	11,055,914	1,564,193	9,491,721	11,055,914	-	-	-	-	-	-	1,564,193	9,491,721	11,055,914
P2-X	1,622	-	-	-	48,579	261,547	310,126	48,579	261,547	310,126	-	-	-	-	-	-	48,579	261,547	310,126
		-	-	-	1,612,772	9,753,268	11,366,040	1,612,772	9,753,268	11,366,040	-	-	-	-	-	-	1,612,772	9,753,268	11,366,040
P1-C	15,647	-	-	-	971,679	3,415,271	4,386,950	971,679	3,415,271	4,386,950	-	168,831	168,831	-	3,912	3,912	971,679	3,588,014	4,559,693
P1-V	37,210	-	-	-	1,779,382	7,803,681	9,583,063	1,779,382	7,803,681	9,583,063	13,768	245,214	258,982	5,954	119,444	125,398	1,799,104	8,168,339	9,967,443
P1=V	5,300	-	-	-	-	923,260	923,260	-	923,260	923,260	-	1,798,290	1,798,290	-	-	-	-	2,721,550	2,721,550
		-	-	-	1,779,382	8,726,941	10,506,323	1,779,382	8,726,941	10,506,323	13,768	2,043,504	2,057,272	5,954	119,444	125,398	1,799,104	10,889,889	12,688,993
		-	-	-	2,751,061	12,142,212	14,893,273	2,751,061	12,142,212	14,893,273	13,768	2,212,335	2,226,103	5,954	123,356	129,310	2,770,783	14,477,903	17,248,686
P1-X	3,371	-	-	-	218,104	636,445	854,549	218,104	636,445	854,549	-	53,262	53,262	-	-	-	218,104	689,707	907,811
		-	-	-	2,969,165	12,778,657	15,747,822	2,969,165	12,778,657	15,747,822	13,768	2,265,597	2,279,365	5,954	123,356	129,310	2,988,887	15,167,610	18,156,497
MC1-V	80	-	-	-	-	-	-	-	-	-	7,472	21,008	28,480	47,350	70,568	117,918	54,822	91,576	146,398
MC1=V	458	-	-	-	5,473	-	5,473	5,473	-	5,473	31,373	33,874	65,247	84,736	282,609	367,345	121,582	316,483	438,065
		-	-	-	5,473	-	5,473	5,473	-	5,473	38,845	54,882	93,727	132,086	353,177	485,263	176,404	408,059	584,463
MC1=X	237	-	-	-	2,832	-	2,832	2,832	-	2,832	16,234	17,529	33,763	43,952	146,241	190,193	63,018	163,770	226,788
		-	-	-	8,305	-	8,305	8,305	-	8,305	55,079	72,411	127,490	176,038	499,418	675,456	239,422	571,829	811,251
NPJ	19,551	-	-	-	-	209,196	209,196	-	209,196	209,196	-	-	-	-	-	-	-	209,196	209,196
Operable		-	-	-	4,384,332	21,640,539	26,024,871	4,384,332	21,640,539	26,024,871	52,613	2,267,217	2,319,830	138,040	476,533	614,573	4,574,985	24,384,289	28,959,274
Inoperable		-	-	-	271,163	1,107,188	1,378,351	271,163	1,107,188	1,378,351	16,234	70,791	87,025	43,952	146,241	190,193	331,349	1,324,220	1,655,569

Working Circle Totals

Cubic Feet 5.0" and Over D.B.H.

Gross Volumes

Table 53

No. of Plots	Forest Type	No. of Acres	Ponderosa Pine									Douglas-fir			White fir			Totals		
			Yellow Pine			Blackjack			Pine Subtotal									Subtotal	Subtotal	
			Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total
6	P1OV	228	1,418	-	1,418	4,555	26,968	31,523	5,973	26,968	32,941	-	-	-	-	-	-	5,973	26,968	32,941
8	MC1OV	80	498	-	498	1,598	9,462	11,060	2,096	9,462	11,558	-	-	-	-	-	-	2,096	9,462	11,558
			1,916	-	1,916	6,153	36,430	42,583	8,069	36,430	44,499							8,069	36,430	44,499
1	P3=V	5,814	-	-	-	59,884	-	59,884	59,884	-	59,884	-	-	-	-	-	-	59,884	-	59,884
						59,884		59,884												
0	P3=X	160	-	-	-	1,648	-	1,648	1,648	-	1,648	-	-	-	-	-	-	1,648	-	1,648
						61,532		61,532	61,532		61,532							61,532		61,532
3	P2=C	15,142	4,731,421	10,685,104	15,416,525	808,129	6,978,948	7,787,077	5,539,550	17,664,052	23,203,602	-	-	-	-	-	-	5,539,550	17,664,052	23,203,602
17	P2-V	13,388	366,028	-	366,028	434,039	3,331,872	3,765,911	800,067	3,331,872	4,131,939	-	-	-	-	-	-	800,067	3,331,872	4,131,939
2	P2=V	3,640	343,434	-	343,434	430,066	2,382,307	2,812,373	773,500	2,382,307	3,155,807	-	-	-	-	-	-	773,500	2,382,307	3,155,807
			709,462		709,462	864,105	5,714,179	6,578,284	1,573,567	5,714,179	7,287,746							1,573,567	5,714,179	7,287,746
			5,440,883	10,685,104	16,125,987	1,672,234	12,693,127	14,365,361	7,113,117	23,378,231	30,491,348							7,113,117	23,378,231	30,491,348
2	P2-X	1,622	-	88,285	88,285	87,101	261,547	348,648	87,101	349,832	436,933	-	-	-	-	-	-	87,101	349,832	436,933
			5,440,883	10,773,389	16,214,272	1,759,335	12,954,674	14,714,009	7,200,218	23,728,063	30,928,281							7,200,218	23,728,063	30,928,281
64	P1-C	15,647	2,755,124	4,239,085	6,994,209	1,529,181	6,250,976	7,780,157	4,284,305	10,490,061	14,774,366	253,951	287,592	541,543	-	3,912	3,912	4,538,256	10,781,565	15,319,821
104	P1-V	37,210	6,647,566	4,733,112	11,380,678	3,114,105	16,275,654	19,389,759	9,761,671	21,008,766	30,770,437	879,644	46,060	925,704	5,954	244,098	250,052	10,647,269	21,298,924	31,946,193
1	P1=V	5,300	-	-	-	2,558,363	6,882,315	9,440,678	2,558,363	6,882,315	9,440,678	-	2,140,617	2,140,617	-	-	-	2,558,363	9,022,932	11,581,295
			6,647,566	4,733,112	11,380,678	5,672,468	23,157,969	28,830,437	12,320,034	27,891,081	40,211,115	879,644	2,186,677	3,066,321	5,954	244,098	250,052	13,205,632	30,321,856	43,527,488
			9,402,690	8,972,197	18,374,887	7,201,649	29,408,945	36,610,594	16,604,339	38,381,142	54,985,481	1,133,595	2,474,269	3,607,864		248,010	253,964	17,743,888	41,103,421	58,847,309
1	P1-X	3,371	-	737,609	737,609	817,569	1,647,779	2,465,348	817,569	2,385,388	3,202,957	550,552	53,262	603,814	-	-	-	1,368,121	2,438,650	3,806,771
			9,402,690	9,709,806	19,112,496	8,019,218	31,056,724	39,075,942	17,421,908	40,766,530	58,188,438	1,684,147	2,527,531	4,211,678	5,954	248,010	253,964	19,112,009	43,542,071	62,654,080
1	MC1-V	80	-	-	-	-	-	-	-	-	-	18,762	53,761	72,523	88,796	182,221	271,017	107,558	235,982	343,540
2	MC1=V	458	-	-	-	5,473	-	5,473	5,473	-	5,473	557,771	172,822	730,593	768,360	344,915	1,113,275	1,331,604	517,737	1,849,341
						5,473		5,473	5,473		5,473	576,533	226,583	803,116	857,156	527,136	1,384,292	1,439,162	753,719	2,192,881
0	MC1=X	237	-	-	-	2,832	-	2,832	2,832	-	2,832	288,628	89,430	378,058	397,601	178,482	576,083	689,061	267,912	956,973
						8,305		8,305	8,305		8,305	865,161	316,013	1,181,174	1,254,757	705,618	1,960,375	2,128,323	1,021,631	3,149,954
3	NPJ	19,551	-	-	-	-	732,967	732,967	-	732,967	732,967	-	-	-	-	-	-	-	732,967	732,967
	Operable		14,845,489	19,657,301	34,502,790	8,945,393	42,138,502	51,083,895	23,790,882	61,795,803	85,586,685	1,710,128	2,700,852	4,410,980	863,110	775,146	1,638,256	26,364,120	65,271,801	91,635,921
	Inoperable		-	825,894	825,894	909,150	2,642,293	3,551,443	909,150	3,468,187	4,377,337	839,180	142,692	981,872	397,601	178,482	576,083	2,145,931	3,789,361	5,935,292

Working Circle Totals

Cubic Feet 11.6" and Over D.B.H.

Gross Volumes

Table 54

Forest Type	No. of Acres	Ponderosa Pine									Douglas-fir			White fir			Totals		
		Yellow Pine			Blackjack			Pine Subtotal									Total	Total	
		Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total	Cut	Leave	Total
F1OV	228	1,418	-	1,418	2,250	22,875	25,125	3,669	22,875	26,544	-	-	-	-	-	-	3,669	22,875	26,544
MC1OV	80	498 1,916	- -	498 1,916	790 3,040	8,026 30,901	8,816 33,941	1,287 4,956	8,026 30,901	9,313 35,857	-	-	-	-	-	-	1,287 4,956	8,026 30,901	9,313 35,857
P3=V	5,814	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P3=X	160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P2=C	15,142	4,731,421	10,685,104	15,416,525	-	1,516,168	1,516,168	4,731,421	12,201,272	16,932,693	-	-	-	-	-	-	4,731,421	12,201,272	16,932,693
P2-V	13,388	366,028	-	366,028	108,041	661,367	769,408	474,069	661,367	1,135,436	-	-	-	-	-	-	474,069	661,367	1,135,436
P2=V	3,640	343,434 709,462	-	343,434 709,462	- 108,041	123,869 785,236	123,869 893,277	343,434 817,503	123,869 785,236	467,303 1,602,739	-	-	-	-	-	-	343,434 817,503	123,869 785,236	467,303 1,602,739
P2-X	1,622	5,440,883 - 5,440,883	10,685,104 88,285 10,773,389	16,125,987 88,285 16,214,272	108,041 38,522 146,563	2,301,404 - 2,301,404	2,409,445 38,522 2,447,967	5,548,924 38,522 5,587,446	12,986,508 88,285 13,074,793	18,535,432 126,807 18,662,239	-	-	-	-	-	-	5,548,924 38,522 5,587,446	12,986,508 88,285 13,074,793	18,535,432 126,807 18,662,239
F1-C	15,647	2,755,124	4,239,085	6,994,209	557,503	2,835,706	3,393,209	3,312,627	7,074,791	10,387,418	253,951	118,761	372,712	-	-	-	3,566,578	7,193,552	10,760,130
F1-V	37,210	6,647,566	4,733,112	11,380,678	1,334,723	8,471,973	9,806,696	7,982,289	13,205,085	21,187,374	865,877	215,446	1,081,323	-	124,653	124,653	8,848,166	13,545,184	22,393,350
F1=V	5,300	- 6,647,566 9,402,690	- 4,733,112 8,972,197	- 11,380,678 18,374,887	2,558,363 3,893,086 4,450,589	5,959,055 14,431,028 17,266,734	8,517,418 18,324,114 21,717,323	2,558,363 10,540,652 13,853,279	5,959,055 19,164,140 26,238,931	8,517,418 29,704,792 40,092,210	- 865,877 1,119,828	342,327 557,773 676,534	342,327 1,423,650 1,796,362	-	- 124,653 124,653	- 124,653 124,653	2,558,363 11,406,529 14,973,107	6,301,382 19,846,566 27,040,118	8,859,745 31,253,095 42,013,225
F1-X	3,371	- 9,402,690	737,609 9,709,806	737,609 19,112,496	599,465 5,050,054	1,011,334 18,278,068	1,610,799 23,328,122	599,465 14,452,744	1,748,943 27,987,874	2,348,408 42,440,618	550,552 1,670,380	- 676,534	550,552 2,346,914	-	- 124,653	- 124,653	1,150,017 16,123,124	1,748,943 28,789,061	2,898,960 44,912,184
MC1-V	80	-	-	-	-	-	-	-	-	-	11,290	32,753	44,043	41,446	111,653	153,099	52,736	144,406	197,142
MC1=V	458	-	-	-	-	-	-	-	-	-	526,398 537,688	138,948 171,701	665,346 709,389	683,423 724,869	62,306 173,959	745,729 898,828	1,209,821 1,262,557	201,254 345,660	1,411,075 1,608,217
MC1=X	237	-	-	-	-	-	-	-	-	-	272,394 810,082	71,901 243,602	344,295 1,053,684	353,649 1,078,518	32,241 206,200	385,890 1,284,718	626,043 1,888,600	104,142 449,802	730,185 2,338,402
NPJ	19,551	-	-	-	-	523,771	523,771	-	523,771	523,771	-	-	-	-	-	-	-	523,771	523,771
Operable		14,845,489	19,657,301	34,502,790	4,561,670	19,599,039	24,160,709	19,407,159	39,256,340	58,663,499	1,657,516	848,235	2,505,751	724,869	298,612	1,023,481	21,789,544	40,403,187	62,192,731
Inoperable		-	825,894	825,894	637,987	1,535,105	2,173,092	637,987	2,360,999	2,998,986	822,946	71,901	894,847	353,649	32,241	385,890	1,814,582	2,465,141	4,279,723

Tonto Basin Ranger District - Pleasant Valley Working Circle

Volumes by Type for Different Classifications

Gross Volumes

Table 55

For Net Vol. - Multiply
(Yellow pine X 70% = 30% Defect)
(Blackjack X 85% = 15% Defect)

Forest Type	No. of Acres	Vol. Factor	Volume Cu. Ft. 5" and Over		No. of Acres	Vol. Factor	Volume Cu. Ft. 5" thru 11.5" D.B.H.		No. of Acres	Vol. Factor	Volume Cu. Ft. 11.5" and Over
P1-V	9,723	869.68	8,455,899		9,723	267.87	2,604,500		9,723	Subtract Vol. 5" thru 11.5" from Vol. 5" and Over	5,851,399
P1=V	955	2185.15	2,086,818		955	513.50	490,392		955		1,596,426
P2-V	3,980	344.63	1,371,627		3,980	223.82	890,804		3,980		480,823
NPJ	12,499	37.49	468,588		12,499	10.70	133,739		12,499		334,849
Pvt.	355	-	-		355	-	-		355		-
	27,512		12,382,932		27,512		4,119,435		27,512		8,263,497

Forest Type	No. of Acres	Vol. Factor	Volume Scribner 5" D.B.H. and Over		No. of Acres	Vol. Factor	Volume Scribner 5" thru 11.5"		No. of Acres	Vol. Factor	Volume Scribner 11.5" D.B.H. and Over
P1-V	9,723								9,723	3416.00	33,213,768
P1=V	955								955	9800.00	8,499,500
P2-V	3,980								3,980	621.00	2,471,580
NPJ	12,499								12,499	133.33	1,666,492
Pvt.	355	-							355	-	-
	27,512								27,512		45,851,340

Forest Type	No. of Acres	Vol. Factor	Volume International ¼" Rule 5" and Over		No. of Acres	Vol. Factor	Volume International ¼" Rule 5" to 11.5"		No. of Acres	Vol. Factor	Volume International ¼" Rule 11.5" and Over
P1-V	9,723								9,723	Use Scribner Vol. 11.5" & Over X 1.15 to Obtain International	38,195,833
P1=V	955								955		9,774,425
P2-V	3,980								3,980		2,842,317
NPJ	12,499								12,499		1,916,466
Pvt.	355								355		-
	27,512								27,512		52,729,041